



ELECTRIC VEHICLE CABLES

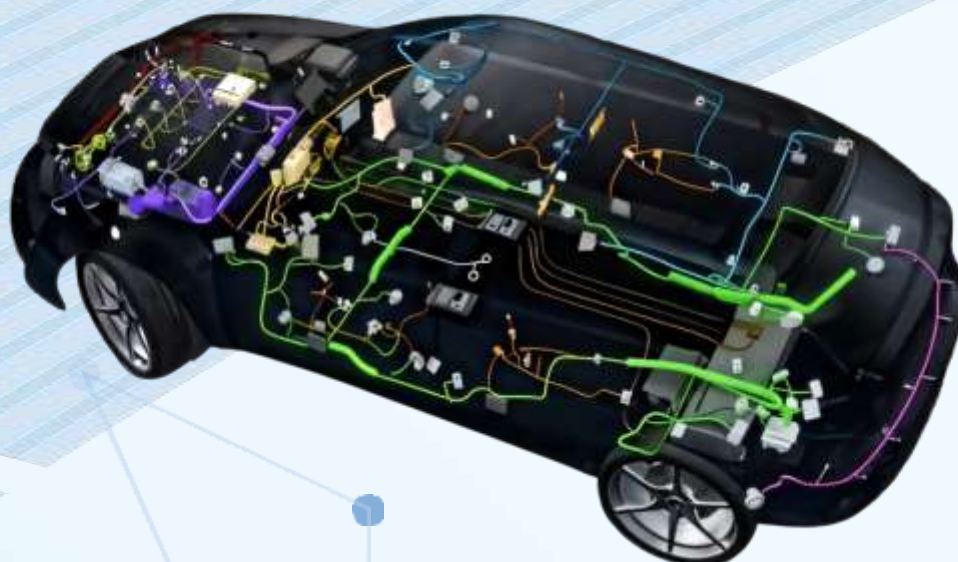


Quadrant Future Tek Ltd.

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ABOUT US

Quadrant Future Tek Limited is a Technology & Innovation-driven Company Certified to ISO/IRIS/TS Quality Management Systems. The company possesses state-of-the-art Electronics Manufacturing & Cable Production facilities at Mohali (Punjab Province, India) and two dedicated Engineering Centres located at Bangalore & Hyderabad. Quadrant people policy is committed to realizing the intrapreneurial qualities in each of its employees by providing equal attention to both passion & profession. The approach to people includes a culture with a vibrant ecosystem that drives 'ownership'.

The Company Possess Most Modern Production Facilities Including:

- State of the Art 2.5 MeV Electron Beam Irradiation facility
- Silicone & Polymer Vulcanization line
- Unique Polymer formulation Facility
- Conductor processing systems
- Fully Automated Electronic Manufacturing Line with Integrated Online Test Facility
- Fully Automated Testing & Simulation Centre for Development of Safety Critical Systems
- Dedicated Fabrication Facility
- High Speed moulding lines
- High Speed stamping machines
- High Speed Extrusion Lines

TEST INFRASTRUCTURE

Our in-house Laboratories are equipped to conduct the tests according to most of the internationally recognized test standards, including BIS, IEC, DIN, UIC, BS, UL, CE & CENELEC Standards. All the products undergo rigorous testing before they are supplied to the customer.





Quadrant Future Tek Ltd.

Nomenclature of Electric Vehicle Cables

According to DIN 76722

In a Simplified manner the type of coding of the Electric Vehicle Cables according to DIN 76722 provide information about

- Types of Automotive cables
- Conductor insulation and Sheathing materials
- Conductor design and coatings
- Screening measures for non-extruded coatings
- Special design features
- Number of cores, conductor nominal cross sections, for resistance cables conductor resistance/ conductor length

Type of Electric Vehicle Cable

Coding	Meaning
FL Vehicle Cable	Voltage class A according to ISO 6469-3 nominal voltage max. 30 voltage AC/60 Volts DC
FHL Vehicle high- voltage cable	Voltage class A according to ISO 6469-3 nominal voltage max. 1000 volts AC/1500 Volts DC

Conductor Materials

Coding	Meaning
No Coding	Copper
Al	Aluminum
M	Other conductor materials

Insulation and Sheathing materials

Coding	Meaning
2G	SIR (Silicon rubber)
3G	EPR (Ethylene/propylene rubber, EPDM, EPM)
4G	EVA (Ethylene/vinyl acetate)
5G	CR (Chloroprene rubber)
53G	PE-C (Chlorinated polyethylene)
NG	Non-standardized elastomers
Y	PVC (polyvinyl Chloride)
2Y	PE (Polyethylene)
4Y	PA (polyamide)
5Y	PTFE (Polytetrafluoroethylene)
6Y	FEP (Tetrafluoroethylene/hexafluoropropylene)
7Y	ETFE (Ethylene/tetrafluoroethylene)
9Y	PP (Polypropylene)
10Y	PVDF (polyvinyl idenfluoride)
11Y	TPE-U (Thermoplastic polyurethane, PUR)
12Y	PBT (Polybutylene terephthalate)



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13Y	TPE-E (Thermoplastic polyester elastomer)
31Y	TPE-S (Thermoplasticstyrene block copolymer)
51Y	PFA (Perfluoro alkoxy alkane)
52Y	MFA (Perfluoro alkoxy-methyl vinyl ether copolymer)
91Y	TPE-O (thermoplastic polyolefin elastomer)
NY	Non-standardized thermoplastic and TPE
R	Reduced wall thickness ultra-thin wall according to ISO 6722
U	Ultra reduced wall thickness ultra-thin wall according to ISO 6722
S	Special wall thickness

Screening measures non-extruded coating

Coding	Meaning
B	Foil screen electric screening
V	Braid, metallic electric screening



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Screened EBXL 150°C Cable



Construction

- **Conductor:** Soft- Annealed Electrolytic Plain Flexible Copper Conductor
- **Insulation:** QFTL 155
- **Insulation Color:** White
- **Screening:** Annealed Tinned Copper
- **Outer Sheath:** AX 150
- **Sheath Color:** Orange

Technical Parameters

- Temperature Range: -40°C to +150°C (3000 Hours)
- Voltage Rating (U): 600V AC / 1000V AC
- Test Voltage, 1 min: 3.5 kV AC/ 8.4 kV DC
- Standard: ISO 6722, Class D
- Min Bending Radius: 4 X Cable dia.

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

- Electrical vehicle charging station
- Portable cables for hybrid & electric vehicles
- Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
- Enhanced DV power rating makes it ideal for high powered charging stations
- Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
- Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Nom. Mm	Screen Wire dia (Nom)	Outer Sheath Thickness (Nom) mm	Overall Diameter mm	Weight Approx Kg/km	Current Carrying Capacity Amps	Max Conductor Resistance at 20°C Km	Standard Length mtrs
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm								
A898130910	1.5	19	0.33	0.35	0.1	0.45	3.9 ± 0.3	33	47	12.7	500
A898160910	2.5	50	0.26	0.35	0.1	0.55	5.0 ± 0.3	50	65	7.6	500
A898190910	4	56	0.31	0.4	0.1	0.6	5.8 ± 0.3	70	88	4.71	500
A898230910	6	84	0.31	0.4	0.1	0.7	6.6 ± 0.3	100	112	3.14	500
A898270910	10	80	0.14	0.6	0.1	0.85	8.4 ± 0.3	155	165	1.82	500
A898280910	16	126	0.41	0.65	0.15	0.85	9.8 ± 0.3	230	221	1.16	500
A898300910	25	196	0.41	0.65	0.15	0.9	11.2 ± 0.3	330	294	0.743	500
A898320910	35	276	0.41	0.8	0.15	0.9	12.7 ± 0.3	450	370	0.527	500
A898340910	50	396	0.41	0.9	0.2	1.2	15.5 ± 0.3	620	470	0.368	500
A898370910	70	360	0.51	1	0.2	1.3	17.8 ± 0.4	850	592	0.259	500
A898380910	95	475	0.51	1.2	0.25	1.3	19.9 ± 0.4	1145	720	0.196	500
A898410910	120	608	0.51	1.4	0.25	1.5	22.6 ± 0.4	1450	840	0.153	500
A898420910	150	756	0.51	1.5	0.25	1.6	24.9 ± 0.5	1778	975	0.122	500

Current carrying capacity given for maximum conductor operating of 150°C and ambient temperature of 30°C



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Screened EBXL 150°C ISO 6722 Class D Cable



Construction

- **Conductor:** Soft- Annealed Electrolytic Plain Flexible Copper Conductor
- **Insulation:** QFTL 155
- **Braiding:** Annealed Tinned Copper
- **Tape:** Polyester Tape
- **Outer Sheath:** AX 150
- **Sheath Color:** Orange

Technical Parameters

- Temperature Range: -40°C to +150°C (3000 Hours)
- Voltage Rating (U): 600V AC / 1000V AC
- Standard: ISO 6722, Class D
- Min Bending Radius: 4 X Cable dia.

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission

Applications

Electrical vehicle charging station

- Portable cables for hybrid & electric vehicles
 - Designed to be installed (both indoors and outdoors)
 - Enhanced DV power rating makes it ideal for high powered charging stations
 - Designed to be installed in public access environment like Urban spaces, Car park, Airport etc.
- Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Nom. Mm	Screen Wire dia (Nom)	Outer Sheath Thickness (Nom) mm	Overall Diameter mm	Weight Approx Kg/km	Max Conductor Resistance at 20°C km	Current Carrying capacity Amps
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm							
A5170602	2 X 0.5	19	0.19	0.35	0.10	0.60	5.5 ± 0.3	50	37.1	21
A5170802	2 X 0.75	19	0.24	0.35	0.10	0.60	6.1 ± 0.3	60	24.7	27
A5171302	2 X 1.5	19	0.33	0.35	0.10	0.60	7.1 ± 0.3	90	12.7	41
A5171602	2 X 2.5	50	0.26	0.35	0.10	0.70	8.3 ± 0.3	120	7.60	56
A5171902	2 X 4	56	0.31	0.40	0.10	0.70	10.0 ± 0.3	180	4.71	75
A5172302	2 X 6	84	0.31	0.40	0.10	0.70	11.1 ± 0.4	230	3.14	97
A5172702	2 X 10	80	0.41	0.75	0.15	0.70	14.6 ± 0.4	400	1.82	144
A5170603	3 X 0.5	19	0.19	0.35	0.10	0.60	5.8 ± 0.3	60	37.1	20
A5170803	3 X 0.75	19	0.24	0.35	0.10	0.60	6.4 ± 0.3	70	24.7	25
A5171303	3 X 1.5	19	0.33	0.35	0.10	0.60	7.3 ± 0.3	100	12.7	38
A5171603	3 X 2.5	50	0.26	0.35	0.10	0.70	8.7 ± 0.3	145	7.60	52
A5171903	3 X 4	56	0.31	0.40	0.10	0.80	10.5 ± 0.4	220	4.71	71
A5172303	3 X 6	84	0.31	0.40	0.10	0.80	12.2 ± 0.4	315	3.14	92
A5172703	3 X 10	80	0.41	0.75	0.15	0.90	16.0 ± 0.5	500	1.82	135
A5170604	4 X 0.5	19	0.19	0.35	0.10	0.60	6.3 ± 0.3	70	37.1	19
A5170804	4 X 0.75	19	0.24	0.35	0.10	0.60	6.9 ± 0.3	85	24.1	24
A5171304	4 X 1.5	19	0.33	0.35	0.10	0.65	8.1 ± 0.3	130	12.7	37
A5171604	4 X 2.5	50	0.26	0.35	0.10	0.70	9.3 ± 0.3	185	7.60	50
A5171904	4 X 4	56	0.31	0.40	0.10	0.80	11.5 ± 0.4	270	4.71	68
A5172304	4 X 6	84	0.31	0.40	0.15	0.80	13.0 ± 0.4	390	3.14	88
A5172704	4 X 10	80	0.41	0.75	0.15	0.90	17.3 ± 0.5	660	1.82	130
A5170605	5 X 0.5	19	0.19	0.35	0.10	0.70	7.0 ± 0.3	80	37.1	18
A5170805	5 X 0.75	19	0.24	0.35	0.10	0.70	7.7 ± 0.3	105	24.1	23
A5171305	5 X 1.5	19	0.33	0.35	0.10	0.75	9.0 ± 0.3	160	12.7	36
A5171605	5 X 2.5	50	0.26	0.35	0.10	0.80	10.5 ± 0.3	230	7.60	49
A5171905	5 X 4	56	0.31	0.40	0.15	0.80	13.3 ± 0.4	360	4.71	66
A5172305	5 X 6	84	0.31	0.40	0.15	0.85	14.5 ± 0.4	480	3.14	87
A5172705	5 X 10	80	0.41	0.75	0.15	1.00	19.4 ± 0.5	810	1.82	127
A5170606	6 X 0.5	19	0.19	0.35	0.10	0.80	7.7 ± 0.3	95	37.1	18
A5170806	6 X 0.75	19	0.24	0.35	0.10	0.80	8.5 ± 0.3	125	24.1	23
A5171306	6 X 1.5	19	0.33	0.35	0.10	0.80	9.9 ± 0.3	185	12.7	36
A5171606	6 X 2.5	50	0.26	0.35	0.10	0.90	11.6 ± 0.3	270	7.60	48
A5171906	6 X 4	56	0.31	0.40	0.15	0.90	14.4 ± 0.4	420	4.71	66
A5172306	6 X 10	84	0.31	0.40	0.15	0.95	16.3 ± 0.4	575	3.14	85



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRLR2G2G-B RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** Silicone Rubber (Thin Wall)
- **Tape:** Optional
- **Outer Sheath:** Silicone Rubber- Orange
- **Color:** As per Customer order
- **Single Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 2G: Silicone Rubber
- 2G: Silicone Rubber
- B: Asymmetrical (Structure B)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

- Electrical vehicle charging station
- Portable cables for hybrid & electric vehicles
- Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
- Enhanced DV power rating makes it ideal for high powered charging stations
- Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
- Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Outer Sheath Thickness (Min) mm	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)				Overall Diameter (Max)	Weight Approx Kg/Km	
A732S06XX10	0.5	16	0.21	1.1	0.22	1.6	0.38	3	13	37.1
A732S08XX10	0.75	24	0.21	1.3	0.24	1.9	0.38	3.4	16	24.7
A732S10XX10	1	32	0.21	1.5	0.24	2.1	0.38	3.6	19	18.5
A732S13XX10	1.5	30	0.26	1.7	0.24	2.4	0.38	3.9	25	12.7
A732S16XX10	2.5	50	0.26	2.2	0.28	3	0.38	4.5	37	7.6
A732S19XX10	4	56	0.31	2.8	0.32	3.7	0.38	5.2	54	4.71
A732S23XX10	6	84	0.31	3.4	0.32	4.3	0.46	6	76	3.14

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL2G2G-C RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure C)
- **Insulation:** Silicone Rubber (Thin Wall)
- **Tape:** Optional
- **Outer Sheath:** Silicone Rubber- Orange
- **Color:** As per Customer order
- **Single Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 2G: Silicone Rubber
- 2G: Silicone Rubber
- C: Asymmetrical (Structure C)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

- Electrical vehicle charging station
- Portable cables for hybrid & electric vehicles
- Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
- Enhanced DV power rating makes it ideal for high powered charging stations
- Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
- Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Outer Sheath Thickness (Min) mm	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)				Overall Diameter (Max)	Weight Approx Kg/Km	
A733S06XX10	0.5	26	0.16	1.10	0.22	1.6	0.38	3	13	37.1
A733S08XX10	0.75	38	0.16	1.30	0.24	1.9	0.38	3.4	16	24.7
A733S10XX10	1	54	0.16	1.50	0.24	2.1	0.38	3.6	19	18.5
A733S13XX10	1.5	76	0.16	1.70	0.24	2.4	0.38	3.9	25	12.7
A733S16XX10	2.5	140	0.16	2.20	0.28	3	0.38	4.5	37	7.6
A733S19XX10	4	224	0.16	2.80	0.32	3.7	0.38	5.2	54	4.71
A733S23XX10	6	320	0.16	3.40	0.32	4.3	0.46	6	76	3.14

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL2GCB2G-B RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** Silicone Rubber (Thin Wall)
- **Tape:** Optional
- **Outer Sheath:** Silicone Rubber- Orange
- **Color:** As per Customer order
- **Single Core**
- **Screen:** ATC Screen with Al. Mylar Tape

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 2G: Silicone Rubber
- C: ATC Screening
- B: Al. Mylar Tape
- 2G: Silicone Rubber
- B: Asymmetrical (Structure B)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

- Electrical vehicle charging station
- Portable cables for hybrid & electric vehicles
- Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
- Enhanced DV power rating makes it ideal for high powered charging stations
- Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
- Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Screen Wire Diameter (Max)	Outer Sheath Thickness (Min) mm	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)					Overall Diameter (Max)	Weight Approx Kg/Km	
A721S13XX10	1.5	30	0.26	1.7	0.24	2.4	0.11	0.38	4	35	12.7
A721S16XX10	2.5	50	0.26	2.2	0.28	3	0.11	0.38	4.7	50	7.6
A721S19XX10	4	56	0.31	2.8	0.32	3.7	0.16	0.38	5.8	75	4.71
A721S23XX10	6	84	0.31	3.4	0.32	4.3	0.16	0.46	6.5	100	3.14
A721S27XX10	10	80	0.41	4.5	0.48	6	0.16	0.7	8.8	160	1.82
A721S28XX10	16	126	0.41	5.8	0.52	7.2	0.16	0.7	10.2	230	1.16
A721S30XX10	25	196	0.41	7.2	0.64	8.8	0.21	0.75	12.2	350	0.743
A721S32XX10	35	276	0.41	8.5	0.64	10.5	0.21	0.8	14.4	475	0.527
A721S34XX10	50	396	0.41	10.5	0.71	12.2	0.21	0.8	15.8	650	0.368
A721S37XX10	70	360	0.51	12.5	1.2	15.5	0.21	1.16	20	920	0.259
A721S38XX10	95	475	0.51	14.8	1.2	18	0.21	1.16	22.5	1175	0.196
A721S41XX10	120	608	0.51	16.5	1.28	19.7	0.21	1.16	23.5	1440	0.153

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL2GCB2G-C RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure C)
- **Insulation:** Silicone Rubber (Thin Wall)
- **Tape:** Optional
- **Outer Sheath:** Silicone Rubber- Orange
- **Color:** As per Customer order
- **Single Core**
- **Screen:** ATC Screen with Al. Mylar Tape

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 2G: Silicone Rubber
- C: ATC Screening
- B: Al. Mylar Tape
- 2G: Silicone Rubber
- C: Asymmetrical (Structure C)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Screen Wire Diameter (Max)	Outer Sheath Thickness (Min) mm	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)					Overall Diameter (Max)	Weight Approx Kg/Km	
A734S13XX10	1.5	76	0.16	1.7	0.24	2.4	0.11	0.38	4	35	12.7
A734S16XX10	2.5	140	0.16	2.2	0.28	3	0.11	0.38	4.7	50	7.6
A734S19XX10	4	224	0.16	2.8	0.32	3.7	0.16	0.38	5.8	75	4.71
A734S23XX10	6	320	0.16	3.4	0.32	4.3	0.16	0.48	6.1	92	3.14
A734S27XX10	10	320	0.21	4.5	0.48	6	0.16	0.7	8.8	160	1.82
A734S28XX10	16	512	0.21	5.8	0.52	7.2	0.16	0.7	10.2	230	1.16
A734S30XX10	25	790	0.21	7.2	0.64	8.8	0.21	0.75	12.2	350	0.743
A734S32XX10	35	1070	0.21	8.5	0.64	10.5	0.21	0.8	14.4	475	0.527
A734S34XX10	50	1600	0.21	10.5	0.71	12.2	0.21	0.8	15.8	650	0.368
A734S37XX10	70	1427	0.26	12.5	1.2	15.5	0.21	1.16	20	920	0.259
A734S38XX10	95	1936	0.26	14.8	1.2	18	0.21	1.16	22.5	1175	0.196
A734S41XX10	120	2450	0.26	16.5	1.28	19.7	0.21	1.16	23.5	1440	0.153

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL2G2G-B RoHS



Construction

- **Conductor:** Annealed Tinned Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** Silicone Rubber (Thin Wall)
- **Tape:** Optional
- **Outer Sheath:** Silicone Rubber- Orange
- **Color:** As per Customer order
- **Multi Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 2G: Silicone Rubber
- 2G: Silicone Rubber
- B: Asymmetrical (Structure B)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Outer Sheath Thickness (Min) mm	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)				Overall Diameter (Max)	Weight Approx Kg/Km	
A7350602	2C X 0.5	16	0.21	1.10	0.22	1.60	0.35	4.6	25	38.2
A7350603	3C X 0.5	16	0.21	1.10	0.22	1.60	0.40	5.0	30	38.2
A7350604	4C X 0.5	16	0.21	1.10	0.22	1.60	0.40	5.4	40	38.2
A7350605	5C X 0.5	16	0.21	1.10	0.22	1.60	0.40	6.0	50	38.2
A7350802	2C X 0.75	24	0.21	1.30	0.22	1.90	0.50	5.4	35	25.4
A7350803	3C X 0.75	24	0.21	1.30	0.22	1.90	0.55	5.9	45	25.4
A7350804	4C X 0.75	24	0.21	1.30	0.22	1.90	0.55	6.4	55	25.4
A7350805	5C X 0.75	24	0.21	1.30	0.22	1.90	0.55	7.0	65	25.4
A7351002	2C X 1	32	0.21	1.50	0.22	2.10	0.60	6.0	45	19.1
A7351003	3C X 1	32	0.21	1.50	0.22	2.10	0.65	6.4	60	19.1
A7351004	4C X 1	32	0.21	1.50	0.22	2.10	0.65	7.0	70	19.1
A7351005	5C X 1	32	0.21	1.50	0.22	2.10	0.65	7.7	85	19.1
A7351302	2C X 1.5	30	0.26	1.70	0.22	2.40	0.76	6.6	65	13.0
A7351303	3C X 1.5	30	0.26	1.70	0.22	2.40	0.76	7.1	80	13.0
A7351304	4C X 1.5	30	0.26	1.70	0.22	2.40	0.76	7.8	100	13.0
A7351305	5C X 1.5	30	0.26	1.70	0.22	2.40	0.76	8.5	120	13.0
A7351602	2C X 2.5	50	0.26	2.20	0.24	3.00	0.76	8.0	95	7.82
A7351603	3C X 2.5	50	0.26	2.20	0.24	3.00	0.76	8.5	120	7.82
A7351604	4C X 2.5	50	0.26	2.20	0.24	3.00	0.76	9.5	150	7.82
A7351605	5C X 2.5	50	0.26	2.20	0.24	3.00	0.76	10.5	180	7.82
A7351902	2C X 4	56	0.31	2.80	0.28	3.70	0.76	9.7	140	4.85
A7351903	3C X 4	56	0.31	2.80	0.28	3.70	0.76	10.3	175	4.85
A7351904	4C X 4	56	0.31	2.80	0.28	3.70	0.80	11.3	225	4.85
A7351905	5C X 4	56	0.31	2.80	0.28	3.70	0.90	12.5	275	4.85
A7352302	2C X 6	84	0.31	3.40	0.28	4.30	0.90	11.0	195	3.23
A7352303	3C X 6	84	0.31	3.40	0.28	4.30	1.00	11.8	260	3.23
A7352304	4C X 6	84	0.31	3.40	0.28	4.30	1.00	13.0	320	3.23
A7352305	5C X 6	84	0.31	3.40	0.28	4.30	1.00	14.3	390	3.23

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL2G2G-C RoHS



Construction

- **Conductor:** Annealed Tinned Flexible Copper Conductor (Asymmetrical, Structure C)
- **Insulation:** Silicone Rubber (Thin Wall)
- **Tape:** Optional
- **Inner Sheath:** Silicone Rubber
- **Outer Sheath:** Silicone Rubber- Orange
- **Color:** As per Customer order
- **Multi Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 2G: Silicone Rubber
- 2G: Silicone Rubber
- C: Asymmetrical (Structure C)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Outer Sheath Thickness (Min) mm	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)				Overall Diameter (Max)	Weight Approx Kg/Km	
A7360602	2C X 0.5	26	0.16	1.10	0.22	1.60	0.35	4.6	25	38.2
A7360603	3C X 0.5	26	0.16	1.10	0.22	1.60	0.40	5.0	30	38.2
A7360604	4C X 0.5	26	0.16	1.10	0.22	1.60	0.40	5.4	40	38.2
A7360605	5C X 0.5	26	0.16	1.10	0.22	1.60	0.40	6.0	50	38.2
A7360802	2C X 0.75	38	0.16	1.30	0.22	1.90	0.50	5.4	35	25.4
A7360803	3C X 0.75	38	0.16	1.30	0.22	1.90	0.55	5.9	45	25.4
A7360804	4C X 0.75	38	0.16	1.30	0.22	1.90	0.55	6.4	55	25.4
A7360805	5C X 0.75	38	0.16	1.30	0.22	1.90	0.55	7.0	65	25.4
A7361002	2C X 1	54	0.16	1.50	0.22	2.10	0.60	6.0	45	19.1
A7361003	3C X 1	54	0.16	1.50	0.22	2.10	0.65	6.4	60	19.1
A7361004	4C X 1	54	0.16	1.50	0.22	2.10	0.65	7.0	70	19.1
A7361005	5C X 1	54	0.16	1.50	0.22	2.10	0.65	7.7	85	19.1
A7361302	2C X 1.5	76	0.16	1.70	0.22	2.40	0.76	6.6	65	13.0
A7361303	3C X 1.5	76	0.16	1.70	0.22	2.40	0.76	7.1	80	13.0
A7361304	4C X 1.5	76	0.16	1.70	0.22	2.40	0.76	7.8	100	13.0
A7361305	5C X 1.5	76	0.16	1.70	0.22	2.40	0.76	8.5	120	13.0
A7361602	2C X 2.5	140	0.16	2.20	0.24	3.00	0.76	8.0	95	7.82
A7361603	3C X 2.5	140	0.16	2.20	0.24	3.00	0.76	8.5	120	7.82
A7361604	4C X 2.5	140	0.16	2.20	0.24	3.00	0.76	9.5	150	7.82
A7361605	5C X 2.5	140	0.16	2.20	0.24	3.00	0.76	10.5	180	7.82
A7361902	2C X 4	224	0.16	2.80	0.28	3.70	0.76	9.7	140	4.85
A7361903	3C X 4	224	0.16	2.80	0.28	3.70	0.76	10.3	175	4.85
A7361904	4C X 4	224	0.16	2.80	0.28	3.70	0.80	11.3	225	4.85
A7361905	5C X 4	224	0.16	2.80	0.28	3.70	0.90	12.5	275	4.85
A7362302	2C X 6	320	0.16	3.40	0.28	4.30	0.90	11.0	195	3.23
A7362303	3C X 6	320	0.16	3.40	0.28	4.30	1.00	11.8	260	3.23
A7362304	4C X 6	320	0.16	3.40	0.28	4.30	1.00	13.0	320	3.23
A7362305	5C X 6	320	0.16	3.40	0.28	4.30	1.00	14.3	390	3.23

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL2GCB2G-B RoHS



Construction

- **Conductor:** Annealed Tinned Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** Silicone Rubber (Thin Wall)
- **Tape:** Optional
- **Screen:** ATC Screen with Al. Mylar Tape
- **Outer Sheath:** Silicone Rubber- Orange
- **Inner Sheath:** Silicone Rubber
- **Color:** As per Customer order
- **Multi Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 2G: Silicone Rubber
- C: ATC Screening
- B: Al. Mylar Tape
- 2G: Silicone Rubber
- B: Asymmetrical (Structure B)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Thickness of Inner Sheath (Min)	Screen Wire Diameter (Max)	Dia Over Shielding (Max) mm	Cable		Max Conduct or Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)						Overall Diameter (Max)	Weight Approx Kg/Km	
A722E1302	2 X 1.5	30	0.26	1.7	0.22	2.4	0.38	0.16	6.5	8.5	110	13
A722E1303	3 X 1.5	30	0.26	1.7	0.22	2.4	0.38	0.16	6.9	9.1	130	13
A722E1304	4 X 1.5	30	0.26	1.7	0.22	2.4	0.38	0.16	7.5	9.7	150	13
A722E1305	5 X 1.5	30	0.26	1.7	0.22	2.4	0.38	0.16	8.1	10.3	175	13
A722E1602	2 X 2.5	50	0.26	2.2	0.24	3	0.38	0.16	7.6	9.9	145	7.82
A722E1603	3 X 2.5	50	0.26	2.2	0.24	3	0.38	0.16	8.1	10.4	175	7.82
A722E1604	4 X 2.5	50	0.26	2.2	0.24	3	0.38	0.16	8.8	11.1	205	7.82
A722E1605	5 X 2.5	50	0.26	2.2	0.24	3	0.38	0.16	9.6	12.1	245	7.82
A722E1902	2 X 4.0	56	0.31	2.8	0.28	3.7	0.38	0.16	9	11.3	1955	4.85
A722E1903	3 X 4.0	56	0.31	2.8	0.28	3.7	0.38	0.16	9.6	12.1	235	4.85
A722E1904	4 X 4.0	56	0.31	2.8	0.28	3.7	0.38	0.21	10.7	13.3	305	4.85
A722E1905	5 X 4.0	56	0.31	2.8	0.28	3.7	0.38	0.21	11.9	14.5	365	4.85
A722E2302	2 X 6.0	84	0.31	3.4	0.28	4.3	0.38	0.16	10.4	12.8	260	3.23
A722E2303	3 X 6.0	84	0.31	3.4	0.28	4.3	0.38	0.21	11.4	14.1	335	3.23
A722E2304	4 X 6.0	84	0.31	3.4	0.28	4.3	0.38	0.21	12.3	15.1	410	3.23
A722E2305	5 X 6.0	84	0.31	3.4	0.28	4.3	0.38	0.21	13.5	16.3	485	3.23

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL2GCB2G-C RoHS



Construction

- **Conductor:** Annealed Tinned Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** Silicone Rubber (Thin Wall)
- **Tape:** Optional
- **Screen:** ATC Screen with Al. Mylar Tape
- **Outer Sheath:** Silicone Rubber- Orange
- **Inner Sheath:** Silicone Rubber
- **Color:** As per Customer order
- **Multi Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 2G: Silicone Rubber
- C: ATC Screening
- B: Al. Mylar Tape
- 2G: Silicone Rubber
- C: Asymmetrical (Structure C)
- Standard: ISO 6722 & Class E & LV 216-2

Features

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Chemical and abrasion resistant

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Quadrant Future Tek Ltd.

Applications

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 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Thickness of Inner Sheath (Min)	Screen Wire Diameter (Max)	Dia Over Shielding (Max) mm	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)						Overall Diameter (Max)	Weight Approx Kg/Km	
A737E1302	2 X 1.5	76	0.16	1.7	0.22	2.4	0.38	0.16	6.5	8.5	110	13
A737E1303	3 X 1.5	76	0.16	1.7	0.22	2.4	0.38	0.16	6.9	9.1	130	13
A737E1304	4 X 1.5	76	0.16	1.7	0.22	2.4	0.38	0.16	7.5	9.7	150	13
A737E1305	5 X 1.5	76	0.16	1.7	0.22	2.4	0.38	0.16	8.1	10.3	175	13
A737E1602	2 X 2.5	140	0.16	2.2	0.24	3	0.38	0.16	7.6	9.9	145	7.82
A737E1603	3 X 2.5	140	0.16	2.2	0.24	3	0.38	0.16	8.1	10.4	175	7.82
A737E1604	4 X 2.5	140	0.16	2.2	0.24	3	0.38	0.16	8.8	11.1	205	7.82
A737E1605	5 X 2.5	140	0.16	2.2	0.24	3	0.38	0.16	9.6	12.1	245	7.82
A737E1902	2 X 4.0	224	0.16	2.8	0.28	3.7	0.38	0.16	9	11.3	1955	4.85
A737E1903	3 X 4.0	224	0.16	2.8	0.28	3.7	0.38	0.16	9.6	12.1	235	4.85
A737E1904	4 X 4.0	224	0.16	2.8	0.28	3.7	0.38	0.21	10.7	13.3	305	4.85
A737E1905	5 X 4.0	224	0.16	2.8	0.28	3.7	0.38	0.21	11.9	14.5	365	4.85
A737E2302	2 X 6.0	320	0.16	3.4	0.28	4.3	0.38	0.16	10.4	12.8	260	3.23
A737E2303	3 X 6.0	320	0.16	3.4	0.28	4.3	0.38	0.21	11.4	14.1	335	3.23
A737E2304	4 X 6.0	320	0.16	3.4	0.28	4.3	0.38	0.21	12.3	15.1	410	3.23
A737E2305	5 X 6.0	320	0.16	3.4	0.28	4.3	0.38	0.21	13.5	16.3	485	3.23

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order

Speciality Cables

QFTL FHRL4G13X-B RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** EVA (Thin Wall)
- **Outer Sheath:** EBXL-XLPO- Orange
- **Color:** As per Customer order
- **Single Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 4G: EVA
- 13X: EBXL-XLPO
- B: Asymmetrical (Structure B)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Thickness of Outer Sheath (Min)	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)				Overall Diameter (Max)	Weight Approx Kg/Km	
A738S06XX10	0.5	16	0.21	1.1	0.22	1.6	0.38	3	13	37.1
A738S08XX10	0.75	24	0.21	1.3	0.24	1.9	0.38	3.4	16	24.7
A738S10XX10	1	32	0.21	1.5	0.24	2.1	0.38	3.6	19	18.5
A738S13XX10	1.5	30	0.26	1.7	0.24	2.4	0.38	3.9	25	12.7
A738S16XX10	2.5	50	0.26	2.2	0.28	3	0.38	4.5	37	7.6
A738S19XX10	4	56	0.31	2.8	0.32	3.7	0.38	5.2	55	4.71
A738S23XX10	6	84	0.31	3.4	0.32	4.3	0.46	6	78	3.14

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL4G13X-C RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure C)
- **Insulation:** EVA (Thin Wall)
- **Outer Sheath:** EBXL-XLPO- Orange
- **Color:** As per Customer order
- **Single Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 4G: EVA
- 13X: EBXL-XLPO
- C: Asymmetrical (Structure C)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Thickness of Outer Sheath (Min)	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)				Overall Diameter (Max)	Weight Approx Kg/Km	
A739S06XX10	0.5	26	0.16	1.1	0.22	1.6	0.38	3	13	37.1
A739S08XX10	0.75	38	0.16	1.3	0.24	1.9	0.38	3.4	16	24.7
A739S10XX10	1	54	0.16	1.5	0.24	2.1	0.38	3.6	19	18.5
A739S13XX10	1.5	76	0.16	1.7	0.24	2.4	0.38	3.9	25	12.7
A739S16XX10	2.5	140	0.16	2.2	0.28	3	0.38	4.5	37	7.6
A739S19XX10	4	224	0.16	2.8	0.32	3.7	0.38	5.2	55	4.71
A739S23XX10	6	320	0.16	3.4	0.32	4.3	0.46	6	78	3.14

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL4GCB13X-B RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** EVA (Thin Wall)
- **Outer Sheath:** EBXL-XLPO- Orange
- **Screen:** ATC Screen with Al. Mylar tape
- **Color:** As per Customer order
- **Single Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 4G: EVA
- C: ATC Screening
- B: Al. Mylar Tape
- 13X: EBXL-XLPO
- B: Asymmetrical (Structure B)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Thickness of Outer Sheath (Min)	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)				Overall Diameter (Max)	Weight Approx Kg/Km	
A723S13XX10	1.5	30	0.26	1.7	0.24	2.40	0.11	4.00	35	12.7
A723S16XX10	2.5	50	0.26	2.2	0.28	3.00	0.11	4.70	50	7.60
A723S19XX10	4.0	56	0.31	2.8	0.32	3.70	0.16	5.80	75	4.71
A723S23XX10	6.0	84	0.31	3.4	0.32	4.30	0.16	6.50	100	3.14
A723S27XX10	10	80	0.41	4.5	0.48	6.00	0.16	8.80	160	1.82
A723S28XX10	16	126	0.41	5.8	0.52	7.20	0.16	10.20	235	1.16
A723S30XX10	25	196	0.41	7.2	0.64	8.80	0.21	12.20	360	0.743
A723S32XX10	35	276	0.41	8.5	0.64	10.50	0.21	14.40	485	0.527
A723S34XX10	50	396	0.41	10.5	0.71	12.20	0.21	15.80	660	0.368
A723S37XX10	70	360	0.51	12.5	1.20	15.50	0.21	20.00	950	0.259
A723S38XX10	95	475	0.51	14.8	1.20	18.00	0.21	22.50	1205	0.196
A723S41XX10	120	608	0.51	16.5	1.28	19.70	0.21	23.50	1475	0.153

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL4GCB13X-C RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** EVA (Thin Wall)
- **Outer Sheath:** EBXL-XLPO- Orange
- **Screen:** ATC Screen with Al. Mylar tape
- **Color:** As per Customer order
- **Single Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 4G: EVA
- C: ATC Screening
- B: Al. Mylar Tape
- 13X: EBXL-XLPO
- C: Asymmetrical (Structure C)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Thickness of Outer Sheath (Min)	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)				Overall Diameter (Max)	Weight Approx Kg/Km	
A740S13XX10	1.5	76	0.16	1.7	0.24	2.40	0.11	4.00	35	12.7
A740S16XX10	2.5	140	0.16	2.2	0.28	3.00	0.11	4.70	50	7.60
A740S19XX10	4.0	224	0.16	2.8	0.32	3.70	0.16	5.80	75	4.71
A740S23XX10	6.0	320	0.16	3.4	0.32	4.30	0.16	6.50	100	3.14
A740S27XX10	10	320	0.21	4.5	0.48	6.00	0.16	8.80	160	1.82
A740S28XX10	16	512	0.21	5.8	0.52	7.20	0.16	10.20	235	1.16
A740S30XX10	25	790	0.21	7.2	0.64	8.80	0.21	12.20	360	0.743
A740S32XX10	35	1070	0.21	8.5	0.64	10.50	0.21	14.40	485	0.527
A740S34XX10	50	1600	0.21	10.5	0.71	12.20	0.21	15.80	660	0.368
A740S37XX10	70	1427	0.26	12.5	1.20	15.50	0.21	20.00	950	0.259
A740S38XX10	95	1936	0.26	14.8	1.20	18.00	0.21	22.50	1205	0.196
A740S41XX10	120	2450	0.26	16.5	1.28	19.70	0.21	23.50	1475	0.153

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order

Speciality Cables

QFTL FHLR4G13X-B RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** EVA (Thin Wall)
- **Outer Sheath:** EBXL-XLPO- Orange
- **Inner Sheath:** EBXL-XLPO
- **Screen:** ATC Screen with Al. Mylar tape
- **Color:** As per Customer order
- **Multi Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 4G: EVA
- 13X: EBXL-XLPO
- B: Asymmetrical (Structure B)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Thickness of Outer Sheath (Min)	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)				Overall Diameter (Max)	Weight Approx Kg/Km	
A7410602	2C X 0.5	16	0.21	1.10	0.22	1.60	0.35	4.6	27	38.2
A7410603	3C X 0.5	16	0.21	1.10	0.22	1.60	0.40	5.0	35	38.2
A7410604	4C X 0.5	16	0.21	1.10	0.22	1.60	0.40	5.4	40	38.2
A7410605	5C X 0.5	16	0.21	1.10	0.22	1.60	0.40	6.0	50	38.2
A7410802	2C X 0.75	24	0.21	1.30	0.22	1.90	0.50	5.4	40	25.4
A7410803	3C X 0.75	24	0.21	1.30	0.22	1.90	0.55	5.9	50	25.4
A741080	4C X 0.75	24	0.21	1.30	0.22	1.90	0.55	6.4	60	25.4
A7410805	5C X 0.75	24	0.21	1.30	0.22	1.90	0.55	7.0	70	25.4
A7411002	2C X 1	32	0.21	1.50	0.22	2.10	0.60	6.0	50	19.1
A7411004	3C X 1	32	0.21	1.50	0.22	2.10	0.65	6.4	60	19.1
A7411005	4C X 1	32	0.21	1.50	0.22	2.10	0.65	7.0	75	19.1
A7411302	5C X 1	32	0.21	1.50	0.22	2.10	0.65	7.7	90	19.1
A7411303	2C X 1.5	30	0.26	1.70	0.22	2.40	0.76	6.6	70	13.0
A7411304	3C X 1.5	30	0.26	1.70	0.22	2.40	0.76	7.1	85	13.0
A7411305	4C X 1.5	30	0.26	1.70	0.22	2.40	0.76	7.8	102	13.0
A7411602	5C X 1.5	30	0.26	1.70	0.22	2.40	0.76	8.5	125	13.0
A7411603	2C X 2.5	50	0.26	2.20	0.24	3.00	0.76	8.0	100	7.82
A7411604	3C X 2.5	50	0.26	2.20	0.24	3.00	0.76	8.5	122	7.82
A7411605	4C X 2.5	50	0.26	2.20	0.24	3.00	0.76	9.5	160	7.82
A7411605	5C X 2.5	50	0.26	2.20	0.24	3.00	0.76	10.5	190	7.82
A7411902	2C X 4	56	0.31	2.80	0.28	3.70	0.76	9.7	150	4.85
A7411903	3C X 4	56	0.31	2.80	0.28	3.70	0.76	10.3	185	4.85
A7411904	4C X 4	56	0.31	2.80	0.28	3.70	0.80	11.3	235	4.85
A7411905	5C X 4	56	0.31	2.80	0.28	3.70	0.90	12.5	290	4.85
A7412302	2C X 6	84	0.31	3.40	0.28	4.30	0.90	11.0	210	3.23
A7412303	3C X 6	84	0.31	3.40	0.28	4.30	1.00	11.8	270	3.23
A7412304	4C X 6	84	0.31	3.40	0.28	4.30	1.00	13.0	340	3.23
A7412305	5C X 6	84	0.31	3.40	0.28	4.30	1.00	14.3	405	3.23

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHRL4G13X-C RoHS



Construction

- **Conductor:** Annealed Tinned Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** EVA (Thin Wall)
- **Outer Sheath:** EBXL-XLPO- Orange
- **Inner Sheath:** EBXL-XLPO
- **Screen:** ATC Screen with Al. Mylar tape
- **Color:** As per Customer order
- **Multi Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 4G: EVA
- 13X: EBXL-XLPO
- C: Asymmetrical (Structure C)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Thickness of Outer Sheath (Min)	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)				Overall Diameter (Max)	Weight Approx Kg/Km	
A7420602	2C X 0.5	26	0.16	1.10	0.22	1.60	0.35	4.6	27	38.2
A7420603	3C X 0.5	26	0.16	1.10	0.22	1.60	0.40	5.0	35	38.2
A7420604	4C X 0.5	26	0.16	1.10	0.22	1.60	0.40	5.4	40	38.2
A7420605	5C X 0.5	26	0.16	1.10	0.22	1.60	0.40	6.0	50	38.2
A7420802	2C X 0.75	38	0.16	1.30	0.22	1.90	0.50	5.4	40	25.4
A7420803	3C X 0.75	38	0.16	1.30	0.22	1.90	0.55	5.9	50	25.4
A7420804	4C X 0.75	38	0.16	1.30	0.22	1.90	0.55	6.4	60	25.4
A7420805	5C X 0.75	38	0.16	1.30	0.22	1.90	0.55	7.0	70	25.4
A7421002	2C X 1	54	0.16	1.50	0.22	2.10	0.60	6.0	50	19.1
A7421003	3C X 1	54	0.16	1.50	0.22	2.10	0.65	6.4	60	19.1
A7421004	4C X 1	54	0.16	1.50	0.22	2.10	0.65	7.0	75	19.1
A7421005	5C X 1	54	0.16	1.50	0.22	2.10	0.65	7.7	90	19.1
A7421302	2C X 1.5	76	0.16	1.70	0.22	2.40	0.76	6.6	70	13.0
A7421303	3C X 1.5	76	0.16	1.70	0.22	2.40	0.76	7.1	85	13.0
A7421304	4C X 1.5	76	0.16	1.70	0.22	2.40	0.76	7.8	102	13.0
A7421305	5C X 1.5	76	0.16	1.70	0.22	2.40	0.76	8.5	125	13.0
A7421602	2C X 2.5	140	0.16	2.20	0.24	3.00	0.76	8.0	100	7.82
A7421603	3C X 2.5	140	0.16	2.20	0.24	3.00	0.76	8.5	122	7.82
A7421604	4C X 2.5	140	0.16	2.20	0.24	3.00	0.76	9.5	160	7.82
A7421605	5C X 2.5	140	0.16	2.20	0.24	3.00	0.76	10.5	190	7.82
A7421902	2C X 4	224	0.16	2.80	0.28	3.70	0.76	9.7	150	4.85
A7421903	3C X 4	224	0.16	2.80	0.28	3.70	0.76	10.3	185	4.85
A7421904	4C X 4	224	0.16	2.80	0.28	3.70	0.80	11.3	235	4.85
A7421905	5C X 4	224	0.16	2.80	0.28	3.70	0.90	12.5	290	4.85
A7422302	2C X 6	320	0.16	3.40	0.28	4.30	0.90	11.0	210	3.23
A7422303	3C X 6	320	0.16	3.40	0.28	4.30	1.00	11.8	270	3.23
A7422304	4C X 6	320	0.16	3.40	0.28	4.30	1.00	13.0	340	3.23
A7422305	5C X 6	320	0.16	3.40	0.28	4.30	1.00	14.3	405	3.23

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order

Speciality Cables

QFTL FHRL4GCB13X-B RoHS



Construction

- **Conductor:** Annealed Tinned Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** EVA (Thin Wall)
- **Outer Sheath:** EBXL-XLPO- Orange
- **Inner Sheath:** EBXL-XLPO
- **Screen:** ATC Screen with Al. Mylar tape
- **Color:** As per Customer order
- **Multi Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 4G: EVA
- C: ATC Screening
- B: Al. Mylar Tape
- 13X: EBXL-XLPO
- B: Asymmetrical (Structure B)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Thickness of Inner Sheath (Min)	Screen Wire Diameter (Max)	Dia Over Shielding (Max)	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)						Overall Diameter (Max)	Weight Approx Kg/Km	
A724E1302	2 X 1.5	30	0.26	1.7	0.22	2.4	0.38	0.16	6.5	8.5	115	13
A724E1303	3 X 1.5	30	0.26	1.7	0.22	2.4	0.38	0.16	6.9	9.1	135	13
A724E1304	4 X 1.5	30	0.26	1.7	0.22	2.4	0.38	0.16	7.5	9.4	155	13
A724E1305	5 X 1.5	30	0.26	1.7	0.22	2.4	0.38	0.16	8.1	10.3	180	13
A724E1602	2 X 2.5	50	0.26	2.2	0.24	3	0.38	0.16	7.6	9.9	150	7.82
A724E1603	3 X 2.5	50	0.26	2.2	0.24	3	0.38	0.16	8.1	10.4	180	7.82
A724E1604	4 X 2.5	50	0.26	2.2	0.24	3	0.38	0.16	8.8	11.1	215	7.82
A724E1605	5 X 2.5	50	0.26	2.2	0.24	3	0.38	0.16	9.6	12.1	250	7.82
A724E1902	2 X 4.0	56	0.31	2.8	0.28	3.7	0.38	0.16	9	11.3	205	4.85
A724E1903	3 X 4.0	56	0.31	2.8	0.28	3.7	0.38	0.16	9.6	12.1	245	4.85
A724E1904	4 X 4.0	56	0.31	2.8	0.28	3.7	0.38	0.21	10.7	13.3	315	4.85
A724E1905	5 X 4.0	56	0.31	2.8	0.28	3.7	0.38	0.21	11.9	14.5	380	4.85
A724E2302	2 X 6.0	84	0.31	3.4	0.28	4.3	0.38	0.16	10.4	12.8	270	3.23
A724E2303	3 X 6.0	84	0.31	3.4	0.28	4.3	0.38	0.21	11.4	14.1	350	3.23
A724E2304	4 X 6.0	84	0.31	3.4	0.28	4.3	0.38	0.21	12.3	15.1	420	3.23
A724E2305	5 X 6.0	84	0.31	3.4	0.28	4.3	0.38	0.21	13.5	16.3	500	3.23

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHLR4GCB13X-C RoHS



Construction

- **Conductor:** Annealed Tinned Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** EVA (Thin Wall)
- **Outer Sheath:** EBXL-XLPO- Orange
- **Inner Sheath:** EBXL-XLPO
- **Screen:** ATC Screen with Al. Mylar tape
- **Color:** As per Customer order
- **Multi Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- R: Reduced wall thickness
- 4G: EVA
- C: ATC Screening
- B: Al. Mylar Tape
- 13X: EBXL-XLPO
- C: Asymmetrical (Structure C)
- Standard: ISO 6722 & Class E & LV 216-2

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Mm	Core Diameter (Max)	Thickness of Inner Sheath (Min)	Screen Wire Diameter (Max)	Dia Over Shielding (Max)	Cable		Max Conductor Resistance at 20°C km
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter (Max)						Overall Diameter (Max)	Weight Approx Kg/Km	
A743E1302	2 X 1.5	76	0.16	1.7	0.22	2.4	0.38	0.16	6.5	8.5	115	13
A743E1303	3 X 1.5	76	0.16	1.7	0.22	2.4	0.38	0.16	6.9	9.1	135	13
A743E1304	4 X 1.5	76	0.16	1.7	0.22	2.4	0.38	0.16	7.5	9.4	155	13
A743E1305	5 X 1.5	76	0.16	1.7	0.22	2.4	0.38	0.16	8.1	10.3	180	13
A743E1602	2 X 2.5	140	0.16	2.2	0.24	3	0.38	0.16	7.6	9.9	150	7.82
A743E1603	3 X 2.5	140	0.16	2.2	0.24	3	0.38	0.16	8.1	10.4	180	7.82
A743E1604	4 X 2.5	140	0.16	2.2	0.24	3	0.38	0.16	8.8	11.1	215	7.82
A743E1605	5 X 2.5	140	0.16	2.2	0.24	3	0.38	0.16	9.6	12.1	250	7.82
A743E1902	2 X 4.0	224	0.16	2.8	0.28	3.7	0.38	0.16	9	11.3	205	4.85
A743E1903	3 X 4.0	224	0.16	2.8	0.28	3.7	0.38	0.16	9.6	12.1	245	4.85
A743E1904	4 X 4.0	224	0.16	2.8	0.28	3.7	0.38	0.21	10.7	13.3	315	4.85
A743E1905	5 X 4.0	224	0.16	2.8	0.28	3.7	0.38	0.21	11.9	14.5	380	4.85
A743E2302	2 X 6.0	320	0.16	3.4	0.28	4.3	0.38	0.16	10.4	12.8	270	3.23
A743E2303	3 X 6.0	320	0.16	3.4	0.28	4.3	0.38	0.21	11.4	14.1	350	3.23
A743E2304	4 X 6.0	320	0.16	3.4	0.28	4.3	0.38	0.21	12.3	15.1	420	3.23
A743E2305	5 X 6.0	320	0.16	3.4	0.28	4.3	0.38	0.21	13.5	16.3	500	3.23

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHL2G-B RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure B)
- **Insulation:** Silicone Rubber (Thick Wall)
- **Color:** As per Customer order
- **Multi Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- 2G: Silicone Rubber
- B: Asymmetrical (Structure B)
- Standard: ISO 6722 & Class E

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Min mm	Cable		Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter Approx. mm		Overall Diameter Max. mm	Weight Approx. Kg/Km	
A744S06XX	0.5	16	0.21	1.1	0.48	2.3	9	37.1
A744S08XX	0.75	24	0.21	1.3	0.48	2.5	12	24.7
A744S10XX	1	32	0.21	1.5	0.48	2.7	15	18.5
A744S13XX	1.5	30	0.26	1.7	0.48	3	20	12.7
A744S16XX	2.5	50	0.26	2.2	0.56	3.6	30	7.6
A744S19XX	4	56	0.31	2.8	0.64	4.4	45	4.71
A744S23XX	6	84	0.31	3.4	0.64	5	65	3.14
A744S27XX	10	80	0.41	4.5	0.8	6.5	110	1.82
A744S28XX	16	126	0.41	5.8	0.8	8.3	170	1.16
A744S30XX	25	196	0.41	7.2	1.04	10.4	265	0.743
A744S32XX	35	276	0.41	8.5	1.04	11.6	330	0.527
A744S34XX	50	396	0.41	10.5	1.2	13.5	510	0.368
A744S37XX	70	360	0.51	12.5	1.2	15.5	705	0.259
A744S38XX	95	475	0.51	14.8	1.28	18	920	0.196
A744S41XX	120	608	0.51	16.5	1.28	19.7	1160	0.153

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL FHL2G-C RoHS



Construction

- **Conductor:** Annealed Plain Flexible Copper Conductor (Asymmetrical, Structure C)
- **Insulation:** Silicone Rubber (Thick Wall)
- **Color:** As per Customer order
- **Multi Core**

Technical Parameters

- Temperature Range: -40°C to +180°C (3000 Hours)
- Voltage Rating: 600V AC / 1000V AC
- Test Voltage:
 - a) Insulation: 6 kV for cables < 0.5 mm²
8 kV for cables > 0.5 mm²
 - b) Outer Jacket: 8 kV for all cables
- FHL: Automotive Cable (High Voltage)
- 2G: Silicone Rubber
- C: Asymmetrical (Structure C)
- Standard: ISO 6722 & Class E

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction				Insulation Thickness Min mm	Cable		Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Diameter of Single wire max. mm	Conductor Diameter Approx. mm		Overall Diameter Max. mm	Weight Approx. Kg/Km	
A745S06XX	0.5	26	0.16	1.1	0.48	2.3	9	37.1
A745S08XX	0.75	38	0.16	1.3	0.48	2.5	12	24.7
A745S10XX	1	54	0.16	1.5	0.48	2.7	15	18.5
A745S13XX	1.5	76	0.16	1.7	0.48	3	20	12.7
A745S16XX	2.5	140	0.16	2.2	0.56	3.6	30	7.6
A745S19XX	4	224	0.16	2.8	0.64	4.4	45	4.71
A745S23XX	6	320	0.16	3.4	0.64	5	65	3.14
A745S27XX	10	320	0.21	4.5	0.8	6.5	110	1.82
A745S28XX	16	512	0.21	5.8	0.8	8.3	170	1.16
A745S30XX	25	790	0.21	7.2	1.04	10.4	265	0.743
A745S32XX	35	1070	0.21	8.5	1.04	11.6	330	0.527
A745S34XX	50	1600	0.21	10.5	1.2	13.5	510	0.368
A745S37XX	70	1427	0.26	12.5	1.2	15.5	705	0.259
A745S38XX	95	1936	0.26	14.8	1.28	18	920	0.196
A745S41XX	120	2450	0.26	16.5	1.28	19.7	1160	0.153

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Other Length as per Customer order



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Flexible Class C (Thick) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thick Wall)
- **Insulation Color:** Orange or As per Customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V AC
- Test Voltage: 10kV AC for 5 mins (> 0.5 Sq.mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-5, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)		Min.	Max.			
A93606XX	1C X 0.5	63	0.11	0.48	2	2.3	9	17	37.1
A93608XX	1C X 0.75	64	0.11	0.48	2.2	2.5	12	21	24.7
A93610XX	1C X 1	125	0.11	0.48	2.4	2.7	16	25	18.5
A93612XX	1C X 1.25	155	0.11	0.48	2.4	2.95	19	29	14.9
A93613XX	1C X 1.5	182	0.11	0.48	2.7	3	22	32	12.7
A93614XX	1C X 2	245	0.11	0.48	3	3.3	27	38	9.42
A93616XX	1C X 2.5	140	0.16	0.56	3.3	3.6	35	44	7.6
A93617XX	1C X 3	160	0.16	0.56	3.8	4.1	39	51	6.15
A93619XX	1C X 4	224	0.16	0.64	4	4.4	53	60	4.71
A93621XX	1C X 5	250	0.16	0.64	4.5	4.9	59	68	3.94
A93623XX	1C X 6	189	0.21	0.64	4.6	5	74	77	3.14
A93625XX	1C X 8	240	0.21	0.64	5	5.9	93	94	2.38
A93627XX	1C X 10	320	0.21	0.8	5.9	6.5	123	109	1.82
A93611XX	1C X 12	380	0.21	0.8	6.6	7.4	144	124	1.52
A93628XX	1C X 16	512	0.21	0.8	7.7	8.3	189	147	1.16
A93656XX	1C X 20	610	0.21	0.88	8.1	9.1	225	166	0.955
A93630XX	1C X 25	790	0.21	1.04	9.4	10.4	292	193	0.743
A93657XX	1C X 30	903	0.21	1.04	9.7	10.9	328	210	0.647
A93632XX	1C X 35	1102	0.21	1.04	9.6	11.6	393	236	0.527
A93658XX	1C X 40	1235	0.21	1.12	11.2	12.4	447	253	0.473
A93634XX	1C X 50	1600	0.21	1.2	11.5	13.5	569	291	0.368
A93635XX	1C X 60	1841	0.21	1.2	13.4	14.6	650	321	0.315
A93637XX	1C X 70	2147	0.21	1.2	13.5	15.5	748	359	0.259
A93659XX	1C X 85	2660	0.21	1.28	14.8	16.8	919	396	0.219
A93638XX	1C X 95	3000	0.21	1.28	16	18	1030	424	0.196
A93641XX	1C X 120	3724	0.21	1.28	17.7	19.7	1265	489	0.153

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Flexible Class C (Thin) 1000V AC EV 125 Cable

Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thin Wall)
- **Insulation Color:** Orange or As per Customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V AC (0.5mm² & above)
600V AC/ 900V DC (0.35mm²)
- Test Voltage: 10kV AC for 5 mins (> 0.5 Sq.mm)
3kV AC for 5 mins (0.35 Sqmm)
- Insulation Faults: 6kV AC for 900V & 8kV AC for 1500V DC
- Specification: ISO 19642-5, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)		Min.	Max.			
A93705XX	1C X 0.35	45	0.11	0.20	1.20	1.40	5	12	54.4
A93706XX	1C X 0.5	63	0.11	0.22	1.40	1.60	7	15	37.1
A93708XX	1C X 0.75	94	0.11	0.24	1.70	1.90	10	20	24.7
A93710XX	1C X 1	125	0.11	0.24	1.90	2.10	13	24	18.5
A93712XX	1C X 1.25	155	0.11	0.24	2.10	2.30	16	27	14.9
A93713XX	1C X 1.5	182	0.11	0.24	2.20	2.40	18	30	12.7
A93714XX	1C X 2	245	0.16	0.28	2.50	2.80	25	37	9.42
A93716XX	1C X 2.5	140	0.16	0.28	2.70	3.00	29	42	7.60
A93717XX	1C X 3	160	0.16	0.32	3.10	3.40	33	49	6.15
A93719XX	1C X 4	224	0.16	0.32	3.40	3.70	45	58	4.71
A93721XX	1C X 5	250	0.21	0.32	3.90	4.20	51	66	3.94
A93723XX	1C X 6	189	0.21	0.32	4.00	4.30	64	75	3.14
A93725XX	1C X 8	240	0.21	0.32	4.60	5.00	82	91	2.38
A93727XX	1C X 10	320	0.21	0.48	5.30	6.00	111	108	1.82
A93711XX	1C X 12	380	0.21	0.48	5.80	6.50	131	123	1.52
A93728XX	1C X 16	512	0.21	0.52	6.40	7.20	175	145	1.16
A93756XX	1C X 20	610	0.21	0.52	7.00	7.80	207	164	0.955
A93730XX	1C X 25	790	0.21	0.52	7.90	8.70	264	192	0.743
A93757XX	1C X 30	903	0.21	0.64	8.70	9.60	305	209	0.647
A93732XX	1C X 35	1102	0.21	0.64	9.40	10.40	367	236	0.527
A93758XX	1C X 40	1235	0.21	0.71	10.00	11.10	414	252	0.473
A93734XX	1C X 50	1600	0.21	0.71	11.00	12.20	528	292	0.368
A93735XX	1C X 60	1841	0.21	0.80	12.00	13.30	611	322	0.315
A93737XX	1C X 70	2147	0.21	0.80	13.00	14.40	708	360	0.259
A93759XX	1C X 85	2660	0.21	0.90	14.40	15.80	876	397	0.219
A93738XX	1C X 95	3000	0.21	0.90	15.30	16.70	984	427	0.196

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Stranded Class C (Thick) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thick Wall)
- **Insulation Color:** Orange or As per Customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V AC
- Test Voltage: 10kV AC for 5 mins (> 0.5 Sq.mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-5, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)		Min.	Max.			
A93806XX	1C X 0.5	19	0.19	0.48	2	2.3	9	17	37.1
A93808XX	1C X 0.75	19	0.24	0.48	2.2	2.5	12	21	24.7
A93810XX	1C X 1	19	0.27	0.48	2.4	2.7	16	25	18.5
A93812XX	1C X 1.25	19	0.30	0.48	2.4	2.95	19	29	14.9
A93813XX	1C X 1.5	19	0.33	0.48	2.7	3	22	32	12.7
A93814XX	1C X 2	19	0.38	0.48	3	3.3	27	38	9.42
A93816XX	1C X 2.5	37	0.30	0.56	3.3	3.6	35	44	7.6
A93817XX	1C X 3	44	0.31	0.56	3.8	4.1	38	51	6.15
A93819XX	1C X 4	56	0.31	0.64	4	4.4	50	60	4.71
A93821XX	1C X 5	70	0.31	0.64	4.5	4.9	58	68	3.94
A93823XX	1C X 6	84	0.31	0.64	4.6	5	68	77	3.14
A93825XX	1C X 8	116	0.31	0.64	5	5.9	90	94	2.38
A93827XX	1C X 10	144	0.31	0.8	5.9	6.5	115	109	1.82
A93811XX	1C X 12	174	0.31	0.8	6.6	7.4	140	124	1.52
A93828XX	1C X 16	228	0.31	0.8	7.7	8.3	175	147	1.16
A93856XX	1C X 20	276	0.31	0.88	8.1	9.1	210	166	0.955
A93830XX	1C X 25	355	0.31	1.04	9.4	10.4	275	193	0.743
A93857XX	1C X 30	408	0.31	1.04	9.7	10.9	310	210	0.647
A93832XX	1C X 35	501	0.31	1.04	9.6	11.6	370	236	0.527
A93858XX	1C X 40	558	0.31	1.12	11.2	12.4	415	253	0.473
A93834XX	1C X 50	717	0.31	1.2	11.5	13.5	530	291	0.368
A93835XX	1C X 60	838	0.31	1.2	13.4	14.6	615	321	0.315
A93837XX	1C X 70	1019	0.31	1.2	13.5	15.5	740	359	0.259
A93859XX	1C X 85	1197	0.31	1.28	14.8	16.8	870	396	0.219
A93838XX	1C X 95	1347	0.31	1.28	16	18	970	424	0.196
A93841XX	1C X 120	1726	0.31	1.28	17.7	19.7	1216	489	0.153

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Stranded Class C (Thin) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thin Wall)
- **Insulation Color:** Orange or As per Customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V AC (0.5mm² & above)
600V AC/ 900V DC (0.35mm²)
- Test Voltage: 10kV AC for 5 mins (> 0.5 Sq.mm)
3kV AC for 5 mins (.0.5 Sqmm)
- Insulation Faults: 6kV AC for 900V & 8kV AC for 1500V DC
- Specification: ISO 19642-5, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)		Min.	Max.			
A93905XX	1C X 0.35	7	0.26	0.20	1.20	1.40	5	12	54.4
A93906XX	1C X 0.5	19	0.19	0.22	1.40	1.60	6	15	37.1
A93908XX	1C X 0.75	19	0.24	0.24	1.70	1.90	9	20	24.7
A93910XX	1C X 1	19	0.27	0.24	1.90	2.10	11	24	18.5
A93912XX	1C X 1.25	19	0.30	0.24	2.10	2.30	14	27	14.9
A93913XX	1C X 1.5	19	0.33	0.24	2.20	2.40	16.5	30	12.7
A93914XX	1C X 2	19	0.38	0.28	2.50	2.80	22.5	37	9.42
A93916XX	1C X 2.5	37	0.30	0.28	2.70	3.00	26	42	7.60
A93917XX	1C X 3	44	0.31	0.32	3.10	3.40	33	49	6.15
A93919XX	1C X 4	56	0.31	0.32	3.40	3.70	41	58	4.71
A93921XX	1C X 5	70	0.31	0.32	3.90	4.20	51	66	3.94
A93923XX	1C X 6	84	0.31	0.32	4.00	4.30	60	75	3.14
A93925XX	1C X 8	116	0.31	0.32	4.60	5.00	81	91	2.38
A93927XX	1C X 10	144	0.31	0.48	5.30	6.00	104	108	1.82
A93911XX	1C X 12	174	0.31	0.48	5.80	6.50	124	123	1.52
A93928XX	1C X 16	228	0.31	0.52	6.40	7.20	162	145	1.16
A93956XX	1C X 20	276	0.31	0.52	7.00	7.80	195	164	0.955
A93930XX	1C X 25	355	0.31	0.52	7.90	8.70	245	192	0.743
A93957XX	1C X 30	408	0.31	0.64	8.70	9.60	285	209	0.647
A93932XX	1C X 35	501	0.31	0.64	9.40	10.40	350	236	0.527
A93958XX	1C X 40	558	0.31	0.71	10.00	11.10	390	252	0.473
A93934XX	1C X 50	717	0.31	0.71	11.00	12.20	495	292	0.368
A93935XX	1C X 60	838	0.31	0.80	12.00	13.30	575	322	0.315
A93937XX	1C X 70	1019	0.31	0.80	13.00	14.40	695	360	0.259
A93959XX	1C X 85	1197	0.31	0.90	14.40	15.80	820	397	0.219
A93938XX	1C X 95	1347	0.31	0.90	15.30	16.70	920	427	0.196

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied

Speciality Cables

QFTL Single Core Flexible Class D (Thick) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thick Wall)
- **Insulation Color:** Orange or As per Customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V AC (0.5 Sq mm)
- Test Voltage: 10kV AC for 5 mins (> 0.5 Sq.mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-5, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)		Min.	Max.			
A94006XX	1C X 0.5	63	0.11	0.48	2.00	2.30	9	18	37.1
A94008XX	1C X 0.75	94	0.11	0.48	2.20	2.50	12	23	24.7
A94010XX	1C X 1	125	0.11	0.48	2.40	2.70	16	28	18.5
A94012XX	1C X 1.25	155	0.11	0.48	2.40	2.95	19	32	14.9
A94013XX	1C X 1.5	182	0.11	0.48	2.70	3.00	22	35	12.7
A94014XX	1C X 2	245	0.11	0.48	3.00	3.30	27	42	9.42
A94016XX	1C X 2.5	140	0.16	0.56	3.30	3.60	35	49	7.60
A94017XX	1C X 3	160	0.16	0.56	3.80	4.10	39	56	6.15
A94019XX	1C X 4	224	0.16	0.64	4.00	4.40	53	66	4.71
A94021XX	1C X 5	250	0.16	0.64	4.50	4.90	59	74	3.94
A94023XX	1C X 6	189	0.21	0.64	4.60	5.00	74	85	3.14
A94025XX	1C X 8	240	0.21	0.64	5.00	5.90	93	103	2.38
A94027XX	1C X 10	320	0.21	0.80	5.90	6.50	123	120	1.82
A94011XX	1C X 12	380	0.21	0.80	6.50	7.40	144	137	1.52
A94028XX	1C X 16	512	0.21	0.80	7.40	8.30	189	162	1.16
A94056XX	1C X 20	610	0.21	0.88	8.10	9.10	225	182	0.955
A94030XX	1C X 25	790	0.21	1.04	9.40	10.40	292	213	0.743
A94057XX	1C X 30	903	0.21	1.04	9.70	10.90	328	231	0.647
A94032XX	1C X 35	1102	0.21	1.04	9.60	11.60	393	260	0.527
A94058XX	1C X 40	1235	0.21	1.12	11.20	12.40	447	278	0.473
A94034XX	1C X 50	1600	0.21	1.20	11.50	13.50	569	320	0.368
A94035XX	1C X 60	1841	0.21	1.20	13.40	14.60	650	353	0.315
A94037XX	1C X 70	2147	0.21	1.20	13.50	15.50	748	394	0.259
A94059XX	1C X 85	2660	0.21	1.28	14.80	16.80	919	435	0.219
A94038XX	1C X 95	3000	0.21	1.28	16.00	18.00	1030	467	0.196
A94041XX	1C X 120	3724	0.21	1.28	17.70	19.70	1265	538	0.153

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied

Speciality Cables

QFTL Single Core Flexible Class D (Thin) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thin Wall)
- **Insulation Color:** Orange or As per Customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V AC (0.5 Sq mm²)
600V AC/ 900V DC (0.35mm²)
- Test Voltage: 10kV AC for 5 mins (> 0.5 Sq.mm)
3kV AC for 5 mins (0.35 Sq mm)
- Insulation Faults: 6kV AC for 900V & 8kV AC for 1500V DC
- Specification: ISO 19642-5, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)		Min.	Max.			
A94105XX	1C X 0.35	45	0.11	0.20	1.20	1.40	5	13	54.4
A94106XX	1C X 0.5	63	0.11	0.22	1.40	1.60	7	16	37.1
A94108XX	1C X 0.75	94	0.11	0.24	1.70	1.90	10	22	24.7
A94110XX	1C X 1	125	0.11	0.24	1.90	2.10	13	26	18.5
A94112XX	1C X 1.25	155	0.11	0.24	2.10	2.30	16	30	14.9
A94113XX	1C X 1.5	182	0.11	0.24	2.20	2.40	18	33	12.7
A94114XX	1C X 2	245	0.16	0.28	2.50	2.80	25	41	9.42
A94116XX	1C X 2.5	140	0.16	0.28	2.70	3.00	29	46	7.60
A94117XX	1C X 3	160	0.16	0.32	3.10	3.40	33	54	6.15
A94119XX	1C X 4	224	0.16	0.32	3.40	3.70	45	64	4.71
A94121XX	1C X 5	250	0.21	0.32	3.90	4.20	51	72	3.94
A94123XX	1C X 6	189	0.21	0.32	4.00	4.30	64	82	3.14
A94125XX	1C X 8	240	0.21	0.32	4.60	5.00	82	100	2.38
A94127XX	1C X 10	320	0.21	0.48	5.30	6.00	111	119	1.82
A94111XX	1C X 12	380	0.21	0.48	5.80	6.50	131	135	1.52
A94128XX	1C X 16	512	0.21	0.52	6.40	7.20	175	160	1.16
A94156XX	1C X 20	610	0.21	0.52	7.00	7.80	207	180	0.955
A94130XX	1C X 25	790	0.21	0.52	7.90	8.70	264	211	0.743
A94157XX	1C X 30	903	0.21	0.64	8.70	9.60	305	230	0.647
A94132XX	1C X 35	1102	0.21	0.64	9.40	10.40	367	259	0.527
A94158XX	1C X 40	1235	0.21	0.71	10.00	11.10	414	278	0.473
A94134XX	1C X 50	1600	0.21	0.71	11.00	12.20	528	321	0.368
A94135XX	1C X 60	1841	0.21	0.80	12.00	13.30	611	354	0.315
A94137XX	1C X 70	2147	0.21	0.80	13.00	14.40	708	396	0.259
A94159XX	1C X 85	2660	0.21	0.90	14.40	15.80	876	437	0.219
A94138XX	1C X 95	3000	0.21	0.90	15.30	16.70	984	469	0.196

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Stranded Class D (Thick) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thick Wall)
- **Insulation Color:** Orange or As per Customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (> 0.5 Sq.mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-5, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)		Min.	Max.			
A94206XX	1C X 0.5	19	0.19	0.48	2.00	2.30	9	18	37.1
A94208XX	1C X 0.75	19	0.24	0.48	2.20	2.50	12	23	24.7
A94210XX	1C X 1	19	0.27	0.48	2.40	2.70	16	28	18.5
A94212XX	1C X 1.25	19	0.30	0.48	2.40	2.95	19	32	14.9
A94213XX	1C X 1.5	19	0.33	0.48	2.70	3.00	22	35	12.7
A94214XX	1C X 2	19	0.38	0.48	3.00	3.30	27	42	9.42
A94216XX	1C X 2.5	37	0.30	0.56	3.30	3.60	35	49	7.60
A94217XX	1C X 4	44	0.31	0.56	3.80	4.10	38	56	6.15
A94219XX	1C X 4	56	0.31	0.64	4.00	4.40	50	66	4.71
A94221XX	1C X 5	70	0.31	0.64	4.50	4.90	58	74	3.94
A94223XX	1C X 6	84	0.31	0.64	4.60	5.00	68	85	3.14
A94225XX	1C X 8	116	0.31	0.64	5.00	5.90	90	103	2.38
A94227XX	1C X 10	144	0.31	0.80	5.90	6.50	115	120	1.82
A94211XX	1C X 12	174	0.31	0.80	6.60	7.40	140	137	1.52
A94228XX	1C X 16	228	0.31	0.80	7.70	8.30	175	162	1.16
A94256XX	1C X 20	276	0.31	0.88	8.10	9.10	210	182	0.955
A94230XX	1C X 25	355	0.31	1.04	9.40	10.40	275	213	0.743
A94257XX	1C X 30	408	0.31	1.04	9.70	10.90	310	231	0.647
A94232XX	1C X 35	501	0.31	1.04	9.60	11.60	370	260	0.527
A94258XX	1C X 40	558	0.31	1.12	11.20	12.40	415	278	0.473
A94234XX	1C X 50	717	0.31	1.20	11.50	13.50	530	320	0.368
A94235XX	1C X 60	838	0.31	1.20	13.40	14.60	615	353	0.315
A94237XX	1C X 70	1019	0.31	1.20	13.50	15.50	740	394	0.259
A94259XX	1C X 85	1197	0.31	1.28	14.80	16.80	870	435	0.219
A94238XX	1C X 95	1347	0.31	1.28	16.00	18.00	970	467	0.196
A94241XX	1C X 120	1726	0.31	1.28	17.70	19.70	1216	538	0.153

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Stranded Class D (Thin) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thin Wall)
- **Insulation Color:** Orange or As per Customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC (0.5mm² & above)
600V AC/ 900V DC (0.35mm²)
- Test Voltage: 3kV AC for 5 mins (0.35 Sq mm)
10kV AC for 5 mins (> 0.5 Sq.mm)
- Insulation Faults: 6kV AC for 900V & 8kV AC for 1500V DC
- Specification: ISO 19642-5, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)		Min.	Max.			
A94305XX	1C X 0.35	7	0.26	0.20	1.20	1.40	5	13	54.4
A94306XX	1C X 0.5	19	0.19	0.22	1.40	1.60	6	16	37.1
A94308XX	1C X 0.75	19	0.24	0.24	1.70	1.90	9	22	24.7
A94310XX	1C X 1	19	0.27	0.24	1.90	2.10	11	26	18.5
A94312XX	1C X 1.25	19	0.30	0.24	2.10	2.30	14	30	14.9
A94313XX	1C X 1.5	19	0.33	0.24	2.20	2.40	16.5	33	12.7
A94314XX	1C X 2	19	0.38	0.28	2.50	2.80	22.5	41	9.42
A94316XX	1C X 2.5	37	0.30	0.28	2.70	3.00	26	46	7.60
A94317XX	1C X 3	44	0.31	0.32	3.10	3.40	33	54	6.15
A94319XX	1C X 4	56	0.31	0.32	3.40	3.70	41	64	4.71
A94321XX	1C X 5	70	0.31	0.32	3.90	4.20	51	72	3.94
A94323XX	1C X 6	84	0.31	0.32	4.00	4.30	60	82	3.14
A94325XX	1C X 8	116	0.31	0.32	4.60	5.00	81	100	2.38
A94327XX	1C X 10	144	0.31	0.48	5.30	6.00	104	119	1.82
A94311XX	1C X 12	174	0.31	0.48	5.80	6.50	124	135	1.52
A94328XX	1C X 16	228	0.31	0.52	6.40	7.20	162	160	1.16
A94358XX	1C X 20	276	0.31	0.52	7.00	7.80	195	180	0.955
A94330XX	1C X 25	355	0.31	0.52	7.90	8.70	245	211	0.743
A94357XX	1C X 30	408	0.31	0.64	8.70	9.60	285	230	0.647
A94332XX	1C X 35	501	0.31	0.64	9.40	10.40	350	259	0.527
A94358XX	1C X 40	558	0.31	0.71	10.00	11.10	390	278	0.473
A94334XX	1C X 50	717	0.31	0.71	11.00	12.20	495	321	0.368
A94335XX	1C X 60	838	0.31	0.80	12.00	13.30	575	354	0.315
A94337XX	1C X 70	1019	0.31	0.80	13.00	14.40	695	396	0.259
A94359XX	1C X 58	1197	0.31	0.90	14.40	15.80	820	437	0.219
A94338XX	1C X 95	1347	0.31	0.90	15.30	16.70	920	469	0.196

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied

Speciality Cables

QFTL Multi Core Unscreened, Flexible Class C (Thin) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thin Wall)
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)			Min.	Max.			
A9441302	2C X 1.5	182	0.11	0.24	0.6	5.4	5.9	70	28	12.7
A9441303	3C X 1.5	182	0.11	0.24	0.6	5.8	6.4	90	25	12.7
A9441304	4C X 1.5	182	0.11	0.24	0.6	6.5	7	110	23	12.7
A9441602	2C X 2.5	140	0.16	0.28	0.6	6.7	7.3	105	39	7.6
A9441603	3C X 2.5	140	0.16	0.28	0.7	7.2	7.8	140	34	7.6
A9441604	4C X 2.5	140	0.16	0.28	0.7	8	8.6	170	32	7.6
A9441902	2C X 4	224	0.16	0.32	0.7	8.1	8.8	160	53	4.71
A9441903	3C X 4	224	0.16	0.32	0.7	8.7	9.4	215	46	4.71
A9441904	4C X 4	224	0.16	0.32	0.8	9.7	10.4	265	43	4.71
A9442302	2C X 6	189	0.21	0.32	0.7	9.4	10.1	220	68	3.14
A9442303	3C X 6	189	0.21	0.32	0.8	10.1	10.8	290	59	3.14
A9442304	4C X 6	189	0.21	0.32	0.8	11.2	12	365	55	3.14
A9442702	2C X 10	320	0.21	0.48	0.8	12.8	13.7	390	96	1.82
A9442703	3C X 10	320	0.21	0.48	0.9	13.8	14.7	510	84	1.82
A9442802	2C X 16	512	0.21	0.52	0.9	15.3	16.2	590	130	1.16
A9442803	3C X 16	512	0.21	0.52	0.9	16.4	17.4	770	113	1.16

Note: Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Unscreened, Stranded Class C (Thin) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thin Wall)
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)			Min.	Max.			
A9451302	2C X 1.5	19	0.33	0.24	0.6	5.4	5.9	66	28	12.7
A9451303	3C X 1.5	19	0.33	0.24	0.6	5.8	6.4	80	25	12.7
A9451304	4C X 1.5	19	0.33	0.24	0.6	6.5	7	101	23	12.7
A9451602	2C X 2.5	37	0.30	0.28	0.6	6.7	7.3	100	39	7.6
A9451603	3C X 2.5	37	0.30	0.28	0.7	7.2	7.8	130	34	7.6
A9451604	4C X 2.5	37	0.30	0.28	0.7	8	8.6	160	32	7.6
A9451902	2C X 4	56	0.31	0.32	0.7	8.1	8.8	150	53	4.71
A9451903	3C X 4	56	0.31	0.32	0.7	8.7	9.4	200	46	4.71
A9451904	4C X 4	56	0.31	0.32	0.8	9.7	10.4	245	43	4.71
A9452302	2C X 6	84	0.31	0.32	0.7	9.4	10.1	210	68	3.14
A9452303	3C X 6	84	0.31	0.32	0.8	10.1	10.8	280	59	3.14
A9452304	4C X 6	84	0.31	0.32	0.8	11.2	12	345	55	3.14
A9452702	2C X 10	144	0.31	0.48	0.8	12.8	13.7	365	96	1.82
A9452703	3C X 10	144	0.31	0.48	0.9	13.8	14.7	480	84	1.82
A9452802	2C X 16	228	0.31	0.52	0.9	15.3	16.2	560	130	1.16
A9452803	3C X 16	228	0.31	0.52	0.9	16.4	17.4	730	113	1.16

Note: Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C
 Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Unscreened, Flexible Class C (Thick) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thick Wall)
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)			Min.	Max.			
A9461302	2C X 1.5	182	0.11	0.48	1.1	7.7	8.3	111	28	12.7
A9461303	3C X 1.5	182	0.11	0.48	1.2	8.2	8.8	140	25	12.7
A9461304	4C X 1.5	182	0.11	0.48	1.2	9.0	9.7	168	23	12.7
A9461602	2C X 2.5	140	0.16	0.56	1.2	9.0	9.7	166	39	7.6
A9461603	3C X 2.5	140	0.16	0.56	1.3	9.6	10.3	210	34	7.6
A9461604	4C X 2.5	140	0.16	0.56	1.3	10.6	11.3	255	32	7.6
A9461902	2C X 4	224	0.16	0.64	1.3	10.7	11.4	240	53	4.71
A9461903	3C X 4	224	0.16	0.64	1.4	11.4	12.2	305	46	4.71
A9461904	4C X 4	224	0.16	0.64	1.4	12.6	13.4	370	43	4.71
A9462302	2C X 6	189	0.21	0.64	1.4	12.0	12.8	315	68	3.14
A9462303	3C X 6	189	0.21	0.64	1.4	12.8	13.6	395	59	3.14
A9462304	4C X 6	189	0.21	0.64	1.5	14.1	15.0	490	55	3.14

Note: Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied

Speciality Cables

QFTL Multi Core Unscreened, Stranded Class C (Thick) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thick Wall)
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)			Min.	Max.			
A9471302	2C X 1.5	19	0.33	0.48	1.1	7.7	8.3	108	28	12.7
A9471303	3C X 1.5	19	0.33	0.48	1.2	8.2	8.8	135	25	12.7
A9471304	4C X 1.5	19	0.33	0.48	1.2	9.0	9.7	162	23	12.7
A9471602	2C X 2.5	37	0.30	0.56	1.2	9.0	9.7	154	39	7.6
A9471603	3C X 2.5	37	0.30	0.56	1.3	9.6	10.3	195	34	7.6
A9471604	4C X 2.5	37	0.30	0.56	1.3	10.6	11.3	235	32	7.6
A9471902	2C X 4	56	0.31	0.64	1.3	10.7	11.4	220	53	4.71
A9471903	3C X 4	56	0.31	0.64	1.4	11.4	12.2	280	46	4.71
A9471904	4C X 4	56	0.31	0.64	1.4	12.6	13.4	340	43	4.71
A9472302	2C X 6	84	0.31	0.64	1.4	12.0	12.8	295	68	3.14
A9472303	3C X 6	84	0.31	0.64	1.4	12.8	13.6	370	59	3.14
A9472304	4C X 6	84	0.31	0.64	1.5	14.1	15.0	460	55	3.14

Note: Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Unscreened, Flexible Class D (Thin) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thin Wall)
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)			Min.	Max.			
A9481302	2C X 1.5	182	0.11	0.24	0.6	5.4	5.9	70	28	12.7
A9481303	3C X 1.5	182	0.11	0.24	0.6	5.8	6.4	90	25	12.7
A9481304	4C X 1.5	182	0.11	0.24	0.6	6.5	7.0	110	23	12.7
A9481602	2C X 2.5	140	0.16	0.28	0.6	6.7	7.3	105	39	7.6
A9481603	3C X 2.5	140	0.16	0.28	0.7	7.2	7.8	140	34	7.6
A9481604	4C X 2.5	140	0.16	0.28	0.7	8.0	9.6	170	32	7.6
A9481902	2C X 4	224	0.16	0.32	0.7	8.1	8.8	160	53	4.71
A9481903	3C X 4	224	0.16	0.32	0.7	8.7	9.4	215	46	4.71
A9481904	4C X 4	224	0.16	0.32	0.8	9.7	10.4	265	43	4.71
A9482302	2C X 6	189	0.21	0.32	0.7	9.4	10.1	220	68	3.14
A9482303	3C X 6	189	0.21	0.32	0.8	10.1	10.8	290	59	3.14
A9482304	4C X 6	189	0.21	0.32	0.8	11.2	12.0	365	55	3.14
A9482702	2C X 10	320	0.21	0.48	0.8	12.8	13.7	390	96	1.82
A9482703	3C X 10	320	0.21	0.48	0.9	13.8	14.7	510	84	1.82
A9482802	2C X 16	512	0.21	0.52	0.9	15.3	16.2	590	130	1.16
A9882803	3C X 16	512	0.21	0.52	0.9	16.4	17.4	770	113	1.16

Note: Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C
 Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied

Speciality Cables

QFTL Multi Core Unscreened, Stranded Class D (Thin) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thin Wall)
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)			Min.	Max.			
A9491302	2C X 1.5	19	0.33	0.24	0.6	5.4	5.9	66	28	12.7
A9491303	3C X 1.5	19	0.33	0.24	0.6	5.8	6.4	80	25	12.7
A9491304	4C X 1.5	19	0.33	0.24	0.6	6.5	7.0	101	23	12.7
A9491602	2C X 2.5	37	0.30	0.28	0.6	6.7	7.3	100	39	7.6
A9491603	3C X 2.5	37	0.30	0.28	0.7	7.2	7.8	130	34	7.6
A9491604	4C X 2.5	37	0.30	0.28	0.7	8.0	9.6	160	32	7.6
A9491902	2C X 4	56	0.31	0.32	0.7	8.1	8.8	150	53	4.71
A9491903	3C X 4	56	0.31	0.32	0.7	8.7	9.4	200	46	4.71
A9491904	4C X 4	56	0.31	0.32	0.8	9.7	10.4	245	43	4.71
A9492302	2C X 6	84	0.31	0.32	0.7	9.4	10.1	210	68	3.14
A9492303	3C X 6	84	0.31	0.32	0.8	10.1	10.8	280	59	3.14
A9492304	4C X 6	84	0.31	0.32	0.8	11.2	12.0	345	55	3.14
A9492702	2C X 10	144	0.31	0.48	0.8	12.8	13.7	365	96	1.82
A9492703	3C X 10	144	0.31	0.48	0.9	13.8	14.7	480	84	1.82
A9492802	2C X 16	228	0.31	0.52	0.9	15.3	16.2	560	130	1.16
A9892803	3C X 16	228	0.31	0.52	0.9	16.4	17.4	730	113	1.16

Note: Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Unscreened, Flexible Class D (Thick) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thick Wall)
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)			Min.	Max.			
A9501302	2C X 1.5	182	0.11	0.48	1.1	7.7	8.3	111	28	12.7
A9501303	3C X 1.5	182	0.11	0.48	1.2	8.2	8.8	140	25	12.7
A9501304	4C X 1.5	182	0.11	0.48	1.2	9.0	9.7	168	23	12.7
A9501602	2C X 2.5	140	0.16	0.56	1.2	9.0	9.7	166	39	7.6
A9501603	3C X 2.5	140	0.16	0.56	1.3	9.6	10.3	210	34	7.6
A9501604	4C X 2.5	140	0.16	0.56	1.3	10.6	11.3	255	32	7.6
A9501902	2C X 4	224	0.16	0.64	1.3	10.7	11.4	240	53	4.71
A9501903	3C X 4	224	0.16	0.64	1.4	11.4	12.2	305	46	4.71
A9501904	4C X 4	224	0.16	0.64	1.4	12.6	13.4	370	43	4.71
A9502302	2C X 6	189	0.21	0.64	1.4	12.0	12.8	315	68	3.14
A9502303	3C X 6	189	0.21	0.64	1.4	12.8	13.6	395	59	3.14
A9502304	4C X 6	189	0.21	0.64	1.5	14.1	15.0	490	55	3.14

Note: Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Unscreened, Stranded Class D (Thick) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thick Wall)
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)			Min.	Max.			
A9511302	2C X 1.5	19	0.33	0.48	1.1	7.7	8.3	108	28	12.7
A9511303	3C X 1.5	19	0.33	0.48	1.2	8.2	8.8	135	25	12.7
A9511304	4C X 1.5	19	0.33	0.48	1.2	9.0	9.7	162	23	12.7
A9511602	2C X 2.5	37	0.30	0.56	1.2	9.0	9.7	154	39	7.6
A9511603	3C X 2.5	37	0.30	0.56	1.3	9.6	10.3	195	34	7.6
A9511604	4C X 2.5	37	0.30	0.56	1.3	10.6	11.3	235	32	7.6
A9511902	2C X 4	56	0.31	0.64	1.3	10.7	11.4	220	53	4.71
A9511903	3C X 4	56	0.31	0.64	1.4	11.4	12.2	280	46	4.71
A9511904	4C X 4	56	0.31	0.64	1.4	12.6	13.4	340	43	4.71
A9512302	2C X 6	84	0.31	0.64	1.4	12.0	12.8	295	68	3.14
A9512303	3C X 6	84	0.31	0.64	1.4	12.8	13.6	370	59	3.14
A9512304	4C X 6	84	0.31	0.64	1.5	14.1	15.0	460	55	3.14

Note: Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Screened, Flexible Class C (Thin) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thin Wall)
- **Insulation Color:** As per ISO 19642-1
- **Screening:** Annealed Tinned Copper Conductor
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max)	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)				Min.	Max.			
A95513XXYY	1C X 1.5	182	0.11	0.24	0.13	0.4	3.3	3.7	36	35	12.7
A95514XXYY	1C X 2	245	0.11	0.28	0.13	0.4	3.7	4.1	43	42	9.42
A95516XXYY	1C x 2.5	140	0.16	0.28	0.13	0.4	3.9	4.3	49	49	7.6
A95517XXYY	1C X 3	160	0.16	0.32	0.16	0.4	4.2	4.8	58	56	6.15
A95519XXYY	1C X 4	224	0.16	0.32	0.16	0.4	4.5	5.1	73	66	4.71
A95521XXYY	1C X 5	250	0.16	0.32	0.16	0.6	5.4	6	86	74	3.94
A95523XXYY	1C X 6	189	0.21	0.32	0.16	0.6	5.5	6.1	102	85	3.14
A95525XXYY	1C X 8	240	0.21	0.32	0.19	0.65	6.5	7.1	132	103	2.38
A95527XXYY	1C X 10	320	0.21	0.48	0.19	0.65	7.5	8.1	170	120	1.82
A95511XXYY	1C X 12	380	0.21	0.48	0.19	0.65	8	8.6	193	135	1.52
A95528XXYY	1C X 16	512	0.21	0.52	0.19	0.8	9	9.6	253	162	1.16
A95556XXYY	1C X 20	610	0.21	0.52	0.19	0.8	9.6	10.2	290	188	0.955
A95530XXYY	1C X 25	790	0.21	0.52	0.21	0.9	10.7	11.3	365	213	0.743
A95557XXYY	1C X 30	903	0.21	0.64	0.21	0.9	11.6	12.2	410	235	0.647
A95532XXYY	1C X 35	1102	0.21	0.64	0.21	1	12.6	13.2	490	263	0.527
A95558XXYY	1C X 40	1235	0.21	0.71	0.21	1	13.3	13.9	540	290	0.473
A95534XXYY	1C X 50	1600	0.21	0.71	0.21	1.1	14.6	15.2	675	327	0.368
A95535XXYY	1C X 60	1841	0.21	0.8	0.21	1.1	15.5	16.3	770	370	0.315
A95537XXYY	1C X 70	2147	0.21	0.8	0.21	1.1	16.6	17.4	880	418	0.259
A95559XXYY	1C X 85	2660	0.21	0.9	0.26	1.1	18.2	19	1080	475	0.219
A95538XXYY	1C X 95	3000	0.21	0.9	0.26	1.1	19.1	19.9	1200	516	0.196

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied

Speciality Cables

QFTL Single Core Screened, Stranded Class C (Thin) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thin Wall)
- **Insulation Color:** As per ISO 19642-1
- **Screening:** Annealed Tinned Copper Conductor
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max)	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)				Min.	Max.			
A95613XXYY	1C X 1.5	19	0.33	0.24	0.13	0.4	3.3	3.7	33	35	12.7
A95614XXYY	1C X 2	19	0.38	0.28	0.13	0.4	3.7	4.1	41	42	9.42
A95616XXYY	1C x 2.5	37	0.30	0.28	0.13	0.4	3.9	4.3	46	49	7.6
A95617XXYY	1C X 3	44	0.31	0.32	0.16	0.4	4.2	4.8	58	56	6.15
A95619XXYY	1C X 4	56	0.31	0.32	0.16	0.4	4.5	5.1	68	66	4.71
A95621XXYY	1C X 5	70	0.31	0.32	0.16	0.6	5.4	6	85	74	3.94
A95623XXYY	1C X 6	84	0.31	0.32	0.16	0.6	5.5	6.1	95	85	3.14
A95625XXYY	1C X 8	116	0.31	0.32	0.19	0.65	6.5	7.1	130	103	2.38
A95627XXYY	1C X 10	144	0.31	0.48	0.19	0.65	7.5	8.1	160	120	1.82
A95611XXYY	1C X 12	174	0.31	0.48	0.19	0.65	8	8.6	180	135	1.52
A95628XXYY	1C X 16	228	0.31	0.52	0.19	0.8	9	9.6	235	162	1.16
A95656XXYY	1C X 20	276	0.31	0.52	0.19	0.8	9.6	10.2	270	188	0.955
A95630XXYY	1C X 25	355	0.31	0.52	0.21	0.9	10.7	11.3	340	213	0.743
A95657XXYY	1C X 30	408	0.31	0.64	0.21	0.9	11.6	12.2	390	235	0.647
A95632XXYY	1C X 35	501	0.31	0.64	0.21	1	12.6	13.2	470	263	0.527
A95658XXYY	1C X 40	558	0.31	0.71	0.21	1	13.3	13.9	520	290	0.473
A95634XXYY	1C X 50	717	0.31	0.71	0.21	1.1	14.6	15.2	645	327	0.368
A95635XXYY	1C X 60	838	0.31	0.8	0.21	1.1	15.5	16.3	740	370	0.315
A95637XXYY	1C X 70	1019	0.31	0.8	0.21	1.1	16.6	17.4	810	418	0.259
A95659XXYY	1C X 85	1197	0.31	0.9	0.26	1.1	18.2	19	1035	475	0.219
A95638XXYY	1C X 95	1347	0.31	0.9	0.26	1.1	19.1	19.9	1145	516	0.196

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C
 Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied

Speciality Cables

QFTL Single Core Screened, Flexible Class C (Thick) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thick Wall)
- **Insulation Color:** As per ISO 19642-1
- **Screening:** Annealed Tinned Copper Conductor
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max)	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)				Min.	Max.			
A95713XXYY	1C X 1.5	182	0.11	0.48	0.13	0.9	4.9	5.3	53	35	12.7
A95714XXYY	1C X 2	245	0.11	0.48	0.13	0.9	5.2	5.6	60	42	9.42
A95716XXYY	1C x 2.5	140	0.16	0.56	0.13	1.0	5.5	6.1	74	49	7.6
A95717XXYY	1C X 3	160	0.16	0.56	0.16	1.0	6.1	6.7	84	56	6.15
A95719XXYY	1C X 4	224	0.16	0.64	0.16	1.1	6.6	7.2	105	66	4.71
A95721XXYY	1C X 5	250	0.16	0.64	0.16	1.1	7.1	7.7	115	74	3.94
A95723XXYY	1C X 6	189	0.21	0.64	0.16	1.1	7.2	7.8	130	85	3.14
A95725XXYY	1C X 8	240	0.21	0.64	0.19	1.2	8.5	9.1	165	103	2.38
A95727XXYY	1C X 10	320	0.21	0.80	0.19	1.2	9.1	9.7	210	120	1.82
A95711XXYY	1C X 12	380	0.21	0.80	0.19	1.3	10.2	10.8	240	135	1.52
A95728XXYY	1C X 16	512	0.21	0.80	0.19	1.3	11.1	11.7	295	162	1.16
A95756XXYY	1C X 20	610	0.21	0.88	0.19	1.4	12.1	12.7	345	188	0.955
A95730XXYY	1C X 25	790	0.21	1.04	0.21	1.4	13.4	14.0	435	213	0.743
A95757XXYY	1C X 30	903	0.21	1.04	0.21	1.5	14.1	14.7	485	235	0.647
A95732XXYY	1C X 35	1102	0.21	1.04	0.21	1.5	14.8	15.4	560	263	0.527
A95758XXYY	1C X 40	1235	0.21	1.12	0.21	1.5	15.6	16.2	620	290	0.473
A95734XXYY	1C X 50	1600	0.21	1.20	0.21	1.6	16.7	17.5	775	327	0.368
A95735XXYY	1C X 60	1841	0.21	1.20	0.21	1.6	17.8	18.6	860	370	0.315
A95737XXYY	1C X 70	2147	0.21	1.20	0.21	1.6	18.9	19.7	970	418	0.259
A95759XXYY	1C X 85	2660	0.21	1.28	0.26	1.7	20.4	21.2	1200	475	0.219

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Screened, Stranded Class C (Thick) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thick Wall)
- **Insulation Color:** As per ISO 19642-1
- **Screening:** Annealed Tinned Copper Conductor
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max)	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)				Min.	Max.			
A95813XXYY	1C X 1.5	19	0.33	0.48	0.13	0.9	4.9	5.3	50	35	12.7
A95814XXYY	1C X 2	19	0.38	0.48	0.13	0.9	5.2	5.6	58	42	9.42
A95816XXYY	1C x 2.5	37	0.30	0.56	0.13	1.0	5.5	6.1	70	49	7.6
A95817XXYY	1C X 3	44	0.31	0.56	0.16	1.0	6.1	6.7	82	56	6.15
A95819XXYY	1C X 4	56	0.31	0.64	0.16	1.1	6.6	7.2	100	66	4.71
A95821XXYY	1C X 5	70	0.31	0.64	0.16	1.1	7.1	7.7	115	74	3.94
A95823XXYY	1C X 6	84	0.31	0.64	0.16	1.1	7.2	7.8	125	85	3.14
A95825XXYY	1C X 8	116	0.31	0.64	0.19	1.2	8.5	9.1	165	103	2.38
A95827XXYY	1C X 10	144	0.31	0.80	0.19	1.2	9.1	9.7	200	120	1.82
A95811XXYY	1C X 12	174	0.31	0.80	0.19	1.3	10.2	10.8	235	135	1.52
A95828XXYY	1C X 16	228	0.31	0.80	0.19	1.3	11.1	11.7	280	162	1.16
A95856XXYY	1C X 20	276	0.31	0.88	0.19	1.4	12.1	12.7	335	188	0.955
A95830XXYY	1C X 25	355	0.31	1.04	0.21	1.4	13.4	14.0	415	213	0.743
A95857XXYY	1C X 30	408	0.31	1.04	0.21	1.5	14.1	14.7	470	235	0.647
A95832XXYY	1C X 35	501	0.31	1.04	0.21	1.5	14.8	15.4	540	263	0.527
A95858XXYY	1C X 40	558	0.31	1.12	0.21	1.5	15.6	16.2	595	290	0.473
A95834XXYY	1C X 50	717	0.31	1.20	0.21	1.6	16.7	17.5	735	327	0.368
A95835XXYY	1C X 60	838	0.31	1.20	0.21	1.6	17.8	18.6	835	370	0.315
A95837XXYY	1C X 70	1019	0.31	1.20	0.21	1.6	18.9	19.7	970	418	0.259
A95859XXYY	1C X 85	1197	0.31	1.28	0.26	1.7	20.4	21.2	1155	475	0.219

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C
 Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Screened, Flexible Class D (Thin) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thin Wall)
- **Insulation Color:** As per ISO 19642-1
- **Screening:** Annealed Tinned Copper Conductor
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max)	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)				Min.	Max.			
A95913XXYY	1C X 1.5	182	0.11	0.24	0.13	0.40	3.3	3.7	36	35	12.7
A95914XXYY	1C X 2	245	0.11	0.28	0.13	0.40	3.7	4.1	43	42	9.42
A95916XXYY	1C x 2.5	140	0.16	0.28	0.13	0.40	3.9	4.3	49	49	7.6
A95917XXYY	1C X 3	160	0.16	0.32	0.16	0.40	4.2	4.8	58	56	6.15
A95919XXYY	1C X 4	224	0.16	0.32	0.16	0.40	4.5	5.1	73	66	4.71
A95921XXYY	1C X 5	250	0.16	0.32	0.16	0.60	5.4	6.0	86	74	3.94
A95923XXYY	1C X 6	189	0.21	0.32	0.16	0.60	5.5	6.1	102	85	3.14
A95925XXYY	1C X 8	240	0.21	0.32	0.19	0.65	6.5	7.1	132	103	2.38
A95927XXYY	1C X 10	320	0.21	0.48	0.19	0.65	7.5	8.1	170	120	1.82
A95911XXYY	1C X 12	380	0.21	0.48	0.19	0.65	8.0	8.6	193	135	1.52
A95928XXYY	1C X 16	512	0.21	0.52	0.19	0.80	9.0	9.6	253	162	1.16
A95956XXYY	1C X 20	610	0.21	0.52	0.19	0.80	9.6	10.2	290	188	0.955
A95930XXYY	1C X 25	790	0.21	0.52	0.21	0.90	10.7	11.3	365	213	0.743
A95957XXYY	1C X 30	903	0.21	0.64	0.21	0.90	11.6	12.2	410	235	0.647
A95932XXYY	1C X 35	1102	0.21	0.64	0.21	1.00	12.6	13.2	490	263	0.527
A95958XXYY	1C X 40	1235	0.21	0.71	0.21	1.00	13.3	13.9	540	290	0.473
A95934XXYY	1C X 50	1600	0.21	0.71	0.21	1.10	14.6	15.2	675	327	0.368
A95935XXYY	1C X 60	1841	0.21	0.80	0.21	1.10	15.5	16.3	770	370	0.315
A95937XXYY	1C X 70	2147	0.21	0.80	0.21	1.10	16.6	17.4	880	418	0.259
A95959XXYY	1C X 85	2660	0.21	0.90	0.26	1.10	18.2	19.0	1080	475	0.219
A95938XXYY	1C X 95	3000	0.21	0.90	0.26	1.10	19.1	19.9	1200	516	0.196

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Screened, Stranded Class D (Thin) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thin Wall)
- **Insulation Color:** As per ISO 19642-1
- **Screening:** Annealed Tinned Copper Conductor
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max)	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)				Min.	Max.			
A96013XXYY	1C X 1.5	19	0.33	0.24	0.13	0.40	3.3	3.7	33	35	12.7
A96014XXYY	1C X 2	19	0.38	0.28	0.13	0.40	3.7	4.1	41	42	9.42
A96016XXYY	1C x 2.5	37	0.30	0.28	0.13	0.40	3.9	4.3	46	49	7.6
A96017XXYY	1C X 3	44	0.31	0.32	0.16	0.40	4.2	4.8	58	56	6.15
A96019XXYY	1C X 4	56	0.31	0.32	0.16	0.40	4.5	5.1	68	66	4.71
A96021XXYY	1C X 5	70	0.31	0.32	0.16	0.60	5.4	6.0	85	74	3.94
A96023XXYY	1C X 6	84	0.31	0.32	0.16	0.60	5.5	6.1	95	85	3.14
A96025XXYY	1C X 8	116	0.31	0.32	0.19	0.65	6.5	7.1	130	103	2.38
A96027XXYY	1C X 10	144	0.31	0.48	0.19	0.65	7.5	8.1	160	120	1.82
A96011XXYY	1C X 12	174	0.31	0.48	0.19	0.65	8.0	8.6	180	135	1.52
A96028XXYY	1C X 16	228	0.31	0.52	0.19	0.80	9.0	9.6	235	162	1.16
A96056XXYY	1C X 20	276	0.31	0.52	0.19	0.80	9.6	10.2	270	188	0.955
A96030XXYY	1C X 25	355	0.31	0.52	0.21	0.90	10.7	11.3	340	213	0.743
A96057XXYY	1C X 30	408	0.31	0.64	0.21	0.90	11.6	12.2	390	235	0.647
A96032XXYY	1C X 35	501	0.31	0.64	0.21	1.00	12.6	13.2	470	263	0.527
A96058XXYY	1C X 40	558	0.31	0.71	0.21	1.00	13.3	13.9	520	290	0.473
A96034XXYY	1C X 50	717	0.31	0.71	0.21	1.10	14.6	15.2	645	327	0.368
A96035XXYY	1C X 60	838	0.31	0.80	0.21	1.10	15.5	16.3	740	370	0.315
A96037XXYY	1C X 70	1019	0.31	0.80	0.21	1.10	16.6	17.4	810	418	0.259
A96059XXYY	1C X 85	1197	0.31	0.90	0.26	1.10	18.2	19.0	1035	475	0.219
A96038XXYY	1C X 95	1347	0.31	0.90	0.26	1.10	19.1	19.9	1145	516	0.196

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Screened, Flexible Class D (Thick) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thick Wall)
- **Insulation Color:** As per ISO 19642-1
- **Screening:** Annealed Tinned Copper Conductor
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max)	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)				Min.	Max.			
A96113XXYY	1C X 1.5	182	0.11	0.48	0.13	0.9	4.9	5.3	53	35	12.7
A96114XXYY	1C X 2	245	0.11	0.48	0.13	0.9	5.2	5.6	60	42	9.42
A96116XXYY	1C x 2.5	140	0.16	0.56	0.13	1.0	5.5	6.1	74	49	7.6
A96117XXYY	1C X 3	160	0.16	0.56	0.16	1.0	6.1	6.7	84	56	6.15
A96119XXYY	1C X 4	224	0.16	0.64	0.16	1.1	6.6	7.2	105	66	4.71
A96121XXYY	1C X 5	250	0.16	0.64	0.16	1.1	7.1	7.7	115	74	3.94
A96123XXYY	1C X 6	189	0.21	0.64	0.16	1.1	7.2	7.8	130	85	3.14
A96125XXYY	1C X 8	240	0.21	0.64	0.19	1.2	8.5	9.1	165	103	2.38
A96127XXYY	1C X 10	320	0.21	0.80	0.19	1.2	9.1	9.7	210	120	1.82
A96111XXYY	1C X 12	380	0.21	0.80	0.19	1.3	10.2	10.8	240	135	1.52
A96128XXYY	1C X 16	512	0.21	0.80	0.19	1.3	11.1	11.7	295	162	1.16
A96156XXYY	1C X 20	610	0.21	0.88	0.19	1.4	12.1	12.7	345	188	0.955
A96130XXYY	1C X 25	790	0.21	1.04	0.21	1.4	13.4	14.0	435	213	0.743
A96157XXYY	1C X 30	903	0.21	1.04	0.21	1.5	14.1	14.7	485	235	0.647
A96132XXYY	1C X 35	1102	0.21	1.04	0.21	1.5	14.8	15.4	560	263	0.527
A96158XXYY	1C X 40	1235	0.21	1.12	0.21	1.5	15.6	16.2	620	290	0.473
A96134XXYY	1C X 50	1600	0.21	1.20	0.21	1.6	16.7	17.5	775	327	0.368
A96135XXYY	1C X 60	1841	0.21	1.20	0.21	1.6	17.8	18.6	860	370	0.315
A96137XXYY	1C X 70	2147	0.21	1.20	0.21	1.6	18.9	19.7	970	418	0.259
A96159XXYY	1C X 85	2660	0.21	1.28	0.26	1.7	20.4	21.2	1200	475	0.219

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Single Core Screened, Stranded Class D (Thick) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thick Wall)
- **Insulation Color:** As per ISO 19642-1
- **Screening:** Annealed Tinned Copper Conductor
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max)	Sheath Thickness Nom mm	Overall Diameter mm		Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)				Min.	Max.			
A96213XXYY	1C X 1.5	19	0.33	0.48	0.13	0.9	4.9	5.3	50	35	12.7
A96214XXYY	1C X 2	19	0.38	0.48	0.13	0.9	5.2	5.6	58	42	9.42
A96216XXYY	1C x 2.5	37	0.30	0.56	0.13	1.0	5.5	6.1	70	49	7.6
A96217XXYY	1C X 3	44	0.31	0.56	0.16	1.0	6.1	6.7	82	56	6.15
A96219XXYY	1C X 4	56	0.31	0.64	0.16	1.1	6.6	7.2	100	66	4.71
A96221XXYY	1C X 5	70	0.31	0.64	0.16	1.1	7.1	7.7	115	74	3.94
A96223XXYY	1C X 6	84	0.31	0.64	0.16	1.1	7.2	7.8	125	85	3.14
A96225XXYY	1C X 8	116	0.31	0.64	0.19	1.2	8.5	9.1	165	103	2.38
A96227XXYY	1C X 10	144	0.31	0.80	0.19	1.2	9.1	9.7	200	120	1.82
A96211XXYY	1C X 12	174	0.31	0.80	0.19	1.3	10.2	10.8	235	135	1.52
A96228XXYY	1C X 16	228	0.31	0.80	0.19	1.3	11.1	11.7	280	162	1.16
A96256XXYY	1C X 20	276	0.31	0.88	0.19	1.4	12.1	12.7	335	188	0.955
A96230XXYY	1C X 25	355	0.31	1.04	0.21	1.4	13.4	14.0	415	213	0.743
A96257XXYY	1C X 30	408	0.31	1.04	0.21	1.5	14.1	14.7	470	235	0.647
A96232XXYY	1C X 35	501	0.31	1.04	0.21	1.5	14.8	15.4	540	263	0.527
A96258XXYY	1C X 40	558	0.31	1.12	0.21	1.5	15.6	16.2	595	290	0.473
A96234XXYY	1C X 50	717	0.31	1.20	0.21	1.6	16.7	17.5	735	327	0.368
A96235XXYY	1C X 60	838	0.31	1.20	0.21	1.6	17.8	18.6	835	370	0.315
A96237XXYY	1C X 70	1019	0.31	1.20	0.21	1.6	18.9	19.7	970	418	0.259
A96259XXYY	1C X 85	1197	0.31	1.28	0.26	1.7	20.4	21.2	1155	475	0.219

Note: XX: Please add last two digits in the part number as per the color code given hereunder replacing XX while ordering.

Red-01	Yellow-02	Blue-03	Black-04	Green-05	Yellow-Green-06	Grey-07	Brown-08	White-09	Orange-10	Violet-11
Chocolate-12	Tan-13	Charcoal-14	LT Blue-15	DK Grey-16	LT Green-17	DK Green-18	DK Blue-19	Purple-20	Pink-21	

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be

supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Screened with Foil, Flexible Class C (Thin) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thin Wall)
- **Braiding:** Annealed Tinned Copper Conductor
- **Screening:** Al. Mylar tape
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments
Chemical and abrasion resistant
Hydrolyse resistant
Thermal stress resistant
Halogen free
Flame resistant
High flexibility and easy to use
Light weight, thin diameter
Cable is constructed to prevent injury and leakage
Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max) mm	Foil Thickness (Nom) mm	Sheath Thickness Nom mm	Overall Diameter Max. Mm	Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)								
A9631302	2C X 1.5	182	0.11	0.24	0.19	0.065	0.52	7.4	105	28	12.7
A9631303	3C X 1.5	182	0.11	0.24	0.19	0.065	0.53	7.9	126	25	12.7
A9631304	4C X 1.5	182	0.11	0.24	0.19	0.065	0.56	8.6	154	23	12.7
A9631602	2C X 2.5	140	0.16	0.28	0.19	0.065	0.56	8.9	150	39	7.6
A9631603	3C X 2.5	140	0.16	0.28	0.21	0.065	0.58	9.5	190	34	7.6
A9631604	4C X 2.5	140	0.16	0.28	0.21	0.065	0.6	10.4	230	32	7.6
A9631902	2C X 4	224	0.16	0.32	0.21	0.065	0.61	10.6	220	53	4.71
A9631903	3C X 4	224	0.16	0.32	0.21	0.065	0.62	11.2	280	46	4.71
A9631904	4C X 4	224	0.16	0.32	0.21	0.065	0.65	12.3	340	43	4.71
A9632302	2C X 6	189	0.21	0.32	0.21	0.065	0.64	11.9	295	68	3.14
A9632303	3C X 6	189	0.21	0.32	0.21	0.065	0.66	12.7	365	59	3.14
A9632304	4C X 6	189	0.21	0.32	0.21	0.065	0.68	13.9	450	55	3.14
A9632702	2C X 10	320	0.21	0.48	0.21	0.065	0.71	15.7	485	96	1.82
A9632703	3C X 10	320	0.21	0.48	0.26	0.065	0.73	16.9	625	84	1.82
A9632802	2C X 16	512	0.21	0.52	0.26	0.065	0.75	18.5	715	130	1.16
A9632803	3C X 16	512	0.21	0.52	0.26	0.065	0.77	19.7	910	113	1.16

Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Screened with Foil, Stranded Class C (Thin) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thin Wall)
- **Braiding:** Annealed Tinned Copper Conductor
- **Screening:** Al. Mylar tape
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max) mm	Foil Thickness (Nom) mm	Sheath Thickness Nom mm	Overall Diameter Max. Mm	Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)								
A9641302	2C X 1.5	19	0.33	0.24	0.19	0.065	0.52	7.4	99	28	12.7
A9641303	3C X 1.5	19	0.33	0.24	0.19	0.065	0.53	7.9	118	25	12.7
A9641304	4C X 1.5	19	0.33	0.24	0.19	0.065	0.56	8.6	145	23	12.7
A9641602	2C X 2.5	37	0.30	0.28	0.19	0.065	0.56	8.9	144	39	7.6
A9641603	3C X 2.5	37	0.30	0.28	0.21	0.065	0.58	9.5	180	34	7.6
A9641604	4C X 2.5	37	0.30	0.28	0.21	0.065	0.6	10.4	225	32	7.6
A9641902	2C X 4	56	0.31	0.32	0.21	0.065	0.61	10.6	215	53	4.71
A9641903	3C X 4	56	0.31	0.32	0.21	0.065	0.62	11.2	265	46	4.71
A9641904	4C X 4	56	0.31	0.32	0.21	0.065	0.65	12.3	325	43	4.71
A9642302	2C X 6	84	0.31	0.32	0.21	0.065	0.64	11.9	285	68	3.14
A9642303	3C X 6	84	0.31	0.32	0.21	0.065	0.66	12.7	355	59	3.14
A9642304	4C X 6	84	0.31	0.32	0.21	0.065	0.68	13.9	430	55	3.14
A9642702	2C X 10	144	0.31	0.48	0.21	0.065	0.71	15.7	461	96	1.82
A9642703	3C X 10	144	0.31	0.48	0.26	0.065	0.73	16.9	595	84	1.82
A9642802	2C X 16	228	0.31	0.52	0.26	0.065	0.75	18.5	685	130	1.16
A9642803	3C X 16	228	0.31	0.52	0.26	0.065	0.77	19.7	865	113	1.16

Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Screened with Foil, Flexible Class C (Thick) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thick Wall)
- **Braiding:** Annealed Tinned Copper Conductor
- **Screening:** Al. Mylar tape
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max) mm	Foil Thickness (Nom) mm	Sheath Thickness Nom mm	Overall Diameter Max. Mm	Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)								
A9651302	2C X 1.5	182	0.11	0.48	0.19	0.065	1.01	10.3	165	28	12.7
A9651303	3C X 1.5	182	0.11	0.48	0.21	0.065	1.04	10.9	198	25	12.7
A9651304	4C X 1.5	182	0.11	0.48	0.21	0.065	1.07	11.9	235	23	12.7
A9651602	2C X 2.5	140	0.16	0.56	0.21	0.065	1.07	11.9	237	39	7.6
A9651603	3C X 2.5	140	0.16	0.56	0.21	0.065	1.10	12.5	280	34	7.6
A9651604	4C X 2.5	140	0.16	0.56	0.21	0.065	1.13	13.6	335	32	7.6
A9651902	2C X 4	224	0.16	0.64	0.21	0.065	1.14	13.8	325	53	4.71
A9651903	3C X 4	224	0.16	0.64	0.21	0.065	1.16	14.6	385	46	4.71
A9651904	4C X 4	224	0.16	0.64	0.21	0.065	1.20	15.9	470	43	4.71
A9652302	2C X 6	189	0.21	0.64	0.21	0.065	1.18	15.2	405	68	3.14
A9652303	3C X 6	189	0.21	0.64	0.21	0.065	1.21	16.1	495	59	3.14
A9652304	4C X 6	189	0.21	0.64	0.26	0.065	1.25	17.7	615	55	3.14
A9652702	2C X 10	320	0.21	0.80	0.26	0.065	1.27	18.8	630	96	1.82
A9652703	3C X 10	320	0.21	0.80	0.26	0.065	1.30	19.9	775	84	1.82
A9652802	2C X 16	512	0.21	0.80	0.26	0.065	1.35	22.8	865	130	1.16
A9652803	3C X 16	512	0.21	0.80	0.26	0.065	1.38	24.2	1075	113	1.16

Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Screened with Foil, Stranded Class C (Thick) 1000V AC EV 125 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class C (Thick Wall)
- **Braiding:** Annealed Tinned Copper Conductor
- **Screening:** Al. Mylar tape
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +125°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max) mm	Foil Thickness (Nom) mm	Sheath Thickness Nom mm	Overall Diameter Max. Mm	Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)								
A9661302	2C X 1.5	19	0.33	0.48	0.19	0.065	1.01	10.3	170	28	12.7
A9661303	3C X 1.5	19	0.33	0.48	0.21	0.065	1.04	10.9	200	25	12.7
A9661304	4C X 1.5	19	0.33	0.48	0.21	0.065	1.07	11.9	238	23	12.7
A9661602	2C X 2.5	37	0.30	0.56	0.21	0.065	1.07	11.9	230	39	7.6
A9661603	3C X 2.5	37	0.30	0.56	0.21	0.065	1.10	12.5	270	34	7.6
A9661604	4C X 2.5	37	0.30	0.56	0.21	0.065	1.13	13.6	320	32	7.6
A9661902	2C X 4	56	0.31	0.64	0.21	0.065	1.14	13.8	315	53	4.71
A9661903	3C X 4	56	0.31	0.64	0.21	0.065	1.16	14.6	365	46	4.71
A9661904	4C X 4	56	0.31	0.64	0.21	0.065	1.20	15.9	445	43	4.71
A9662302	2C X 6	84	0.31	0.64	0.21	0.065	1.18	15.2	385	68	3.14
A9662303	3C X 6	84	0.31	0.64	0.21	0.065	1.21	16.1	475	59	3.14
A9662304	4C X 6	84	0.31	0.64	0.26	0.065	1.25	17.7	590	55	3.14
A9662702	2C X 10	144	0.31	0.80	0.26	0.065	1.27	18.8	615	96	1.82
A9662703	3C X 10	144	0.31	0.80	0.26	0.065	1.30	19.9	750	84	1.82
A9662802	2C X 16	228	0.31	0.80	0.26	0.065	1.35	22.8	830	130	1.16
A9662803	3C X 16	228	0.31	0.80	0.26	0.065	1.38	24.2	1025	113	1.16

Current Carrying Capacity given is for maximum conductor operating of 125°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Screened with Foil, Flexible Class D (Thin) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thin Wall)
- **Braiding:** Annealed Tinned Copper Conductor
- **Screening:** Al. Mylar tape
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max) mm	Foil Thickness (Nom) mm	Sheath Thickness Nom mm	Overall Diameter Max. Mm	Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)								
A9671302	2C X 1.5	182	0.11	0.24	0.19	0.065	0.52	7.4	105	28	12.7
A9671303	3C X 1.5	182	0.11	0.24	0.19	0.065	0.53	7.9	126	25	12.7
A9671304	4C X 1.5	182	0.11	0.24	0.19	0.065	0.56	8.6	154	23	12.7
A9671602	2C X 2.5	140	0.16	0.28	0.19	0.065	0.56	8.9	150	39	7.6
A9671603	3C X 2.5	140	0.16	0.28	0.21	0.065	0.58	9.5	190	34	7.6
A9671604	4C X 2.5	140	0.16	0.28	0.21	0.065	0.60	10.4	230	32	7.6
A9671902	2C X 4	224	0.16	0.32	0.21	0.065	0.61	10.6	220	53	4.71
A9671903	3C X 4	224	0.16	0.32	0.21	0.065	0.62	11.2	280	46	4.71
A9671904	4C X 4	224	0.16	0.32	0.21	0.065	0.65	12.3	340	43	4.71
A9672302	2C X 6	189	0.21	0.32	0.21	0.065	0.64	11.9	295	68	3.14
A9672303	3C X 6	189	0.21	0.32	0.21	0.065	0.66	12.7	365	59	3.14
A9672304	4C X 6	189	0.21	0.32	0.21	0.065	0.68	13.9	450	55	3.14
A9672702	2C X 10	320	0.21	0.48	0.21	0.065	0.71	15.7	485	96	1.82
A9672703	3C X 10	320	0.21	0.48	0.26	0.065	0.73	16.9	625	84	1.82
A9672802	2C X 16	512	0.21	0.52	0.26	0.065	0.75	18.5	715	130	1.16
A9672803	3C X 16	512	0.21	0.52	0.26	0.065	0.77	19.7	910	113	1.16

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied

Speciality Cables

QFTL Multi Core Screened with Foil, Stranded Class D (Thin) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thin Wall)
- **Braiding:** Annealed Tinned Copper Conductor
- **Screening:** Al. Mylar tape
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max) mm	Foil Thickness (Nom) mm	Sheath Thickness Nom mm	Overall Diameter Max. Mm	Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)								
A9681302	2C X 1.5	19	0.33	0.24	0.19	0.065	0.52	7.4	99	28	12.7
A9681303	3C X 1.5	19	0.33	0.24	0.19	0.065	0.53	7.9	118	25	12.7
A9681304	4C X 1.5	19	0.33	0.24	0.19	0.065	0.56	8.6	145	23	12.7
A9681602	2C X 2.5	37	0.30	0.28	0.19	0.065	0.56	8.9	144	39	7.6
A9681603	3C X 2.5	37	0.30	0.28	0.21	0.065	0.58	9.5	180	34	7.6
A9681604	4C X 2.5	37	0.30	0.28	0.21	0.065	0.60	10.4	225	32	7.6
A9681902	2C X 4	56	0.31	0.32	0.21	0.065	0.61	10.6	215	53	4.71
A9681903	3C X 4	56	0.31	0.32	0.21	0.065	0.62	11.2	265	46	4.71
A9681904	4C X 4	56	0.31	0.32	0.21	0.065	0.65	12.3	325	43	4.71
A9682302	2C X 6	84	0.31	0.32	0.21	0.065	0.64	11.9	285	68	3.14
A9682303	3C X 6	84	0.31	0.32	0.21	0.065	0.66	12.7	355	59	3.14
A9682304	4C X 6	84	0.31	0.32	0.21	0.065	0.68	13.9	430	55	3.14
A9682702	2C X 10	144	0.31	0.48	0.21	0.065	0.71	15.7	461	96	1.82
A9682703	3C X 10	144	0.31	0.48	0.26	0.065	0.73	16.9	595	84	1.82
A9682802	2C X 16	228	0.31	0.52	0.26	0.065	0.75	18.5	685	130	1.16
A9682803	3C X 16	228	0.31	0.52	0.26	0.065	0.77	19.7	865	113	1.16

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Screened with Foil, Flexible Class D (Thick) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thick Wall)
- **Braiding:** Annealed Tinned Copper Conductor
- **Screening:** Al. Mylar tape
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max) mm	Foil Thickness (Nom) mm	Sheath Thickness Nom mm	Overall Diameter Max. Mm	Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)								
A9691302	2C X 1.5	182	0.11	0.48	0.19	0.065	1.01	10.3	165	28	12.7
A9691303	3C X 1.5	182	0.11	0.48	0.19	0.065	1.04	10.9	198	25	12.7
A9691304	4C X 1.5	182	0.11	0.48	0.19	0.065	1.07	11.9	235	23	12.7
A9691602	2C X 2.5	140	0.16	0.56	0.19	0.065	1.07	11.9	237	39	7.6
A9691603	3C X 2.5	140	0.16	0.56	0.21	0.065	1.10	12.5	280	34	7.6
A9691604	4C X 2.5	140	0.16	0.56	0.21	0.065	1.13	13.6	335	32	7.6
A9691902	2C X 4	224	0.16	0.64	0.21	0.065	1.14	13.8	325	53	4.71
A9691903	3C X 4	224	0.16	0.64	0.21	0.065	1.16	14.6	385	46	4.71
A9691904	4C X 4	224	0.16	0.64	0.21	0.065	1.20	15.9	470	43	4.71
A9692302	2C X 6	189	0.21	0.64	0.21	0.065	1.18	15.2	405	68	3.14
A9692303	3C X 6	189	0.21	0.64	0.21	0.065	1.21	16.1	495	59	3.14
A9692304	4C X 6	189	0.21	0.64	0.21	0.065	1.25	17.7	615	55	3.14
A9692702	2C X 10	320	0.21	0.80	0.21	0.065	1.27	18.8	630	96	1.82
A9692703	3C X 10	320	0.21	0.80	0.26	0.065	1.30	19.9	775	84	1.82
A9692802	2C X 16	512	0.21	0.80	0.26	0.065	1.35	22.8	865	130	1.16
A9692803	3C X 16	512	0.21	0.80	0.26	0.065	1.38	24.2	1075	113	1.16

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL Multi Core Screened with Foil, Stranded Class D (Thick) 1000V AC EV 150 Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor according to ISO 19642 (Stranded)
- **Insulation:** Electron Beam Cross Linked Polyolefin Class D (Thick Wall)
- **Braiding:** Annealed Tinned Copper Conductor
- **Screening:** Al. Mylar tape
- **Insulation Color:** As per ISO 19642-1
- **Sheath:** Electron Beam Crossed Linked Polyolefin
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature: -40°C to +150°C (3000 Hours)
- Max Rated Voltage: 1000V AC / 1500V DC
- Test Voltage: 10kV AC for 5 mins (>0.5 Sq mm)
- Insulation Faults: 8kV AC
- Specification: ISO 19642-9, ISO 6722, Generally as per QC/T 1037-2016

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Conductor Construction			Insulation Thickness Min mm	Screen Wire dia (Max) mm	Foil Thickness (Nom) mm	Sheath Thickness Nom mm	Overall Diameter Max. Mm	Weight Approx kg/km	Current Carrying Capacity Amps	Max conductor resistance at 20°C
	Nominal Cross section mm ²	No of Strands nos.	Stand dia mm (Max)								
A9701302	2C X 1.5	19	0.33	0.48	0.19	0.065	1.01	10.3	170	28	12.7
A9701303	3C X 1.5	19	0.33	0.48	0.19	0.065	1.04	10.9	200	25	12.7
A9701304	4C X 1.5	19	0.33	0.48	0.19	0.065	1.07	11.9	238	23	12.7
A9701602	2C X 2.5	37	0.30	0.56	0.19	0.065	1.07	11.9	230	39	7.6
A9701603	3C X 2.5	37	0.30	0.56	0.21	0.065	1.10	12.5	270	34	7.6
A9701604	4C X 2.5	37	0.30	0.56	0.21	0.065	1.13	13.6	320	32	7.6
A9701902	2C X 4	56	0.31	0.64	0.21	0.065	1.14	13.8	315	53	4.71
A9701903	3C X 4	56	0.31	0.64	0.21	0.065	1.16	14.6	365	46	4.71
A9701904	4C X 4	56	0.31	0.64	0.21	0.065	1.20	15.9	445	43	4.71
A9702302	2C X 6	84	0.31	0.64	0.21	0.065	1.18	15.2	385	68	3.14
A9702303	3C X 6	84	0.31	0.64	0.21	0.065	1.21	16.1	475	59	3.14
A9702304	4C X 6	84	0.31	0.64	0.21	0.065	1.25	17.7	590	55	3.14
A9702702	2C X 10	144	0.31	0.80	0.21	0.065	1.27	18.8	615	96	1.82
A9702703	3C X 10	144	0.31	0.80	0.26	0.065	1.30	19.9	750	84	1.82
A9702802	2C X 16	228	0.31	0.80	0.26	0.065	1.35	22.8	830	130	1.16
A9702803	3C X 16	228	0.31	0.80	0.26	0.065	1.38	24.2	1025	113	1.16

Current Carrying Capacity given is for maximum conductor operating of 150°C and ambient temperature of 40°C

Conductor construction as per ISO 19642-5, If customer insist construction to be as per ISO 6722 & Generally as per QC/ T1037-2016 or any specific construction, the same can also be supplied



Quadrant Future Tek Ltd.

Speciality Cables

QFTL 3C X 1.5 + 1C X 0.5 Sq.mm H05BZ5-F 300/500V EV Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EVI-2
- **Control Cable:** CP/CC (Control pilot/ control core) as per customer request
- **Sheath:** EVM-1
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature:
Static: -40°C to + 90°C
Dynamic: -35°C to +90°C
- Rated Voltage: 300/500V
- Test Voltage: 2.5kV AC (1 Hour in water both)
- Bending Radius:
Static: 5 X Cable OD
Dynamic: 15 X Cable OD
- Specification: EN 50620: 2017

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Nominal Cross- Section mm ²	Conductor Construction		Insulation Thickness Nom mm	Sheath Thickness Nom mm	Overall Diameter Mm		Max conductor resistance at 20°C
		No of Strands nos.	Stand dia mm (Max)			Min	Max	
A9711303XE	(3C X 1.5)+0.5	30	0.26	0.6	1	7.9	10.1	13.3
A9711603XE	(3C X 2.5)+0.5	50	0.26	0.6	1	9.1	11.5	7.98

Note:

X- No of Control Cable

E- Earthing



Quadrant Future Tek Ltd.

Speciality Cables

QFTL 3C X 2.5 + 1C X 1.0 Sq.mm H05BZ5-F 300/500V EV Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EVI-2
- **Control Cable:** CP/CC (Control pilot/ control core) as per customer request
- **Sheath:** EVM-1
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature:
Static: -40°C to + 90°C
Dynamic: -35°C to +90°C
- Rated Voltage: 300/500V
- Test Voltage: 2.5kV AC (1 Hour in water both)
- Bending Radius:
Static: 5 X Cable OD
Dynamic: 15 X Cable OD
- Specification: EN 50620: 2017

Features

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Chemical and abrasion resistant

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 Suitability for installation with possibility of water immersion

Part Number	Nominal Cross- Section mm ²	Conductor Construction		Insulation Thickness Nom mm	Sheath Thickness Nom mm	Overall Diameter Mm		Max conductor resistance at 20°C
		No of Strands nos.	Stand dia mm (Max)			Min	Max	
A9721303XE	(3C X 1.5)+1.0	30	0.26	0.6	1	7.9	10.1	13.3
A9721603XE	(3C X 2.5)+1.0	50	0.26	0.6	1	9.1	11.5	7.98

Note:

X- No of Control Cable

E- Earthing

Speciality Cables

QFTL 3C X 10 + 1C X 0.5 Sq.mm H05BZ5-F 450/750V EV Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EVI-2
- **Control Cable:** CP/CC (Control pilot/ control core) as per customer request
- **Sheath:** EVM-1
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature:
Static: -40°C to + 90°C
Dynamic: -35°C to +90°C
- Rated Voltage: 450/750V
- Test Voltage: 3.5kV AC (1 Hour in water both)
- Bending Radius:
Static: 5 X Cable OD
Dynamic: 15 X Cable OD
- Specification: EN 50620: 2017

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Nominal Cross- Section mm ²	Conductor Construction		Insulation Thickness Nom mm	Sheath Thickness Nom mm	Overall Diameter Mm		Max conductor resistance at 20°C
		No of Strands nos.	Stand dia mm (Max)			Min	Max	
A9731303XE	(3C X 1.5)+0.5	30	0.26	0.7	1	8.2	10.5	13.3
A9731603XE	(3C X 2.5)+0.5	50	0.26	0.7	1	9.3	11.9	7.98
A9731903XE	(3C X 4)+0.5	56	0.31	0.7	1.1	10.8	13.8	4.95
A9732303XE	(3C X 6)+0.5	84	0.31	0.7	1.2	12.3	15.7	3.3
A9732703XE	(3C X 10)+0.5	80	0.41	0.7	1.4	14.8	19	1.91
A9732803XE	(3C X 16)+0.5	126	0.41	0.7	1.5	17.6	22.6	1.21
A9733003XE	(3C X 25)+0.5	196	0.41	0.9	1.7	21.9	28	0.78
A9733203XE	(3C X 35)+0.5	276	0.41	0.9	1.9	25.7	32.9	0.554
A9731604XE	(4C X 2.5)+0.5	50	0.26	0.7	1	10.2	13.1	7.98
A9731904XE	(4C X 4)+0.5	56	0.31	0.7	1.1	11.9	15.2	4.95
A9732304XE	(4C X 6)+0.5	84	0.31	0.7	1.2	13.5	17.3	3.3
A9732704XE	(4C X 10)+0.5	80	0.41	0.7	1.4	16.4	20.9	1.91
A9732804XE	(4C X 16)+0.5	126	0.41	0.7	1.6	19.7	25.2	1.21
A9733004XE	(4C X 25)+0.5	196	0.41	0.9	1.9	24.6	31.5	0.78
A9733204XE	(4C X 35)+0.5	276	0.41	0.9	2.1	28.9	37	0.554
A9731605XE	(5C X 2.5)+0.5	50	0.26	0.7	1.2	11.7	15	7.98
A9731905XE	(5C X 4)+0.5	56	0.31	0.7	1.3	13.5	17.3	4.95
A9732305XE	(5C X 6)+0.5	84	0.31	0.7	1.4	15.4	19.7	3.3
A9732705XE	(5C X 10)+0.5	80	0.41	0.7	1.5	18.3	23.4	1.91
A9732805XE	(5C X 16)+0.5	126	0.41	0.7	1.7	22	28.1	1.21
A9733005XE	(5C X 25)+0.5	196	0.41	0.9	2	27.5	35.2	0.78
A9733205XE	(5C X 35)+0.5	276	0.41	0.9	2.3	32.4	41.5	0.554

Note:
 X- No of Control Cable
 E- Earthing

Speciality Cables

QFTL 3C X 16 + 1C X 1.0 Sq.mm H05BZ5-F 450/750V EV Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EVI-2
- **Control Cable:** CP/CC (Control pilot/ control core) as per customer request
- **Sheath:** EVM-1
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature:
Static: -40°C to + 90°C
Dynamic: -35°C to +90°C
- Rated Voltage: 450/750V
- Test Voltage: 3.5kV AC (1 Hour in water both)
- Bending Radius:
Static: 5 X Cable OD
Dynamic: 15 X Cable OD
- Specification: EN 50620: 2017

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Nominal Cross- Section mm ²	Conductor Construction		Insulation Thickness Nom mm	Sheath Thickness Nom mm	Overall Diameter Mm		Max conductor resistance at 20°C
		No of Strands nos.	Stand dia mm (Max)			Min	Max	
A9741303XE	(3C X 1.5)+1.0	30	0.26	0.7	1	8.2	10.5	13.3
A9741603XE	(3C X 2.5)+1.0	50	0.26	0.7	1	9.3	11.9	7.98
A9741903XE	(3C X 4)+1.0	56	0.31	0.7	1.1	10.8	13.8	4.95
A9742303XE	(3C X 6)+1.0	84	0.31	0.7	1.2	12.3	15.7	3.3
A9742703XE	(3C X 10)+1.0	80	0.41	0.7	1.4	14.8	19	1.91
A9742803XE	(3C X 16)+1.0	126	0.41	0.7	1.5	17.6	22.6	1.21
A9743003XE	(3C X 25)+1.0	196	0.41	0.9	1.7	21.9	28	0.78
A9743203XE	(3C X 35)+1.0	276	0.41	0.9	1.9	25.7	32.9	0.554
A9741604XE	(4C X 2.5)+1.0	50	0.26	0.7	1	10.2	13.1	7.98
A9741904XE	(4C X 4)+1.0	56	0.31	0.7	1.1	11.9	15.2	4.95
A9742304XE	(4C X 6)+1.0	84	0.31	0.7	1.2	13.5	17.3	3.3
A9742704XE	(4C X 10)+1.0	80	0.41	0.7	1.4	16.4	20.9	1.91
A9742804XE	(4C X 16)+1.0	126	0.41	0.7	1.6	19.7	25.2	1.21
A9743004XE	(4C X 25)+1.0	196	0.41	0.9	1.9	24.6	31.5	0.78
A9743204XE	(4C X 35)+1.0	276	0.41	0.9	2.1	28.9	37	0.554
A9741605XE	(5C X 2.5)+1.0	50	0.26	0.7	1.2	11.7	15	7.98
A9741905XE	(5C X 4)+1.0	56	0.31	0.7	1.3	13.5	17.3	4.95
A9742305XE	(5C X 6)+1.0	84	0.31	0.7	1.4	15.4	19.7	3.3
A9742705XE	(5C X 10)+1.0	80	0.41	0.7	1.5	18.3	23.4	1.91
A9742805XE	(5C X 16)+1.0	126	0.41	0.7	1.7	22	28.1	1.21
A9743005XE	(5C X 25)+1.0	196	0.41	0.9	2	27.5	35.2	0.78
A9743205XE	(5C X 35)+1.0	276	0.41	0.9	2.3	32.4	41.5	0.554

Note:
 X- No of Control Cable
 E- Earthing



Quadrant Future Tek Ltd.

Speciality Cables

QFTL H05BZ6-F 3C X 2.5 Sq.mm + 1C X 0.5 Sq.mm 300/500V EV Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EVI-2
- **Control Cable:** CP/CC (Control pilot/ control core) as per customer request
- **Sheath:** EVM-2
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature:
Static: -40°C to + 90°C
Dynamic: -35°C to +90°C
- Rated Voltage: 300/500V
- Test Voltage: 3.5kV AC (1 Hour in water both)
- Bending Radius:
Static: 5 X Cable OD
Dynamic: 15 X Cable OD
- Specification: EN 50620: 2017

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
Portable cables for hybrid & electric vehicles
Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
Enhanced DV power rating makes it ideal for high powered charging stations
Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
Suitability for installation with possibility of water immersion

Part Number	Nominal Cross- Section mm ²	Conductor Construction		Insulation Thickness Nom mm	Sheath Thickness Nom mm	Overall Diameter Mm		Max conductor resistance at 20°C
		No of Strands nos.	Stand dia mm (Max)			Min	Max	
A9751303XE	(3C X 1.5)+0.5	30	0.25	0.6	1.5	8.9	11.6	13.3
A9751603XE	(3C X 2.5)+0.5	50	0.25	0.6	1.6	10.1	13.2	7.98

Note:

X- No of Control Cable

E- Earthing

Speciality Cables

QFTL H05BZ6-F 3C X 1.5 Sq.mm + 1C X 1.0 Sq.mm 300/500V EV Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EVI-2
- **Control Cable:** CP/CC (Control pilot/ control core) as per customer request
- **Sheath:** EVM-2
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature:
Static: -40°C to + 90°C
Dynamic: -35°C to +90°C
- Rated Voltage: 300/500V
- Test Voltage: 2.5kV AC (1 Hour in water both)
- Bending Radius:
Static: 5 X Cable OD
Dynamic: 15 X Cable OD
- Specification: EN 50620: 2017

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Nominal Cross- Section mm ²	Conductor Construction		Insulation Thickness Nom mm	Sheath Thickness Nom mm	Overall Diameter Mm		Max conductor resistance at 20°C
		No of Strands nos.	Stand dia mm (Max)			Min	Max	
A9761303XE	(3C X 1.5)+1.0	30	0.26	0.6	1.5	8.9	11.6	13.3
A9761603XE	(3C X 2.5)+1.0	50	0.26	0.6	1.6	10.1	13.2	7.98

Note:

X- No of Control Cable

E- Earthing



Quadrant Future Tek Ltd.

Speciality Cables

QFTL 3C X 2.5+ 1C X 0.5 Sq.mm H07BZ6-F 450/750V EV Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EVI-2
- **Control Cable:** CP/CC (Control pilot/ control core) as per customer request
- **Sheath:** EVM-2
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature:
Static: -40°C to + 90°C
Dynamic: -35°C to +90°C
- Rated Voltage: 450/750V
- Test Voltage: 3.5kV AC (1 Hour in water both)
- Bending Radius:
Static: 5 X Cable OD
Dynamic: 15 X Cable OD
- Specification: EN 50620: 2017

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Nominal Cross- Section mm ²	Conductor Construction		Insulation Thickness Nom mm	Sheath Thickness Nom mm	Overall Diameter Mm		Max conductor resistance at 20°C
		No of Strands nos.	Stand dia mm (Max)			Min	Max	
A9771303XE	(3C X 1.5)+0.5	30	0.26	0.7	1.5	9.2	11.8	13.3
A9771603XE	(3C X 2.5)+0.5	50	0.26	0.7	1.6	10.5	13.5	7.98
A9771903XE	(3C X 4)+0.5	56	0.31	0.7	1.7	12.1	15.5	4.95
A9772303XE	(3C X 6)+0.5	84	0.31	0.7	1.9	13.7	17.5	3.3
A9772703XE	(3C X 10)+0.5	80	0.41	0.7	2.1	16.3	20.8	1.91
A9772803XE	(3C X 16)+0.5	126	0.41	0.7	2.4	19.4	24.9	1.21
A9773003XE	(3C X 25)+0.5	196	0.41	0.9	2.8	24.2	30.9	0.78
A9773203XE	(3C X 35)+0.5	276	0.41	0.9	3.2	28.4	36.3	0.554
A9771604XE	(4C X 2.5)+0.5	50	0.26	0.7	1.7	11.6	14.9	7.98
A9771904XE	(4C X 4)+0.5	56	0.31	0.7	1.9	13.4	17.2	4.95
A9772304XE	(4C X 6)+0.5	84	0.31	0.7	2.0	15.2	19.4	3.3
A9772704XE	(4C X 10)+0.5	80	0.41	0.7	2.3	18.1	23.2	1.91
A9772804XE	(4C X 16)+0.5	126	0.41	0.7	2.6	21.7	27.7	1.21
A9773004XE	(4C X 25)+0.5	196	0.41	0.9	3.1	27	34.5	0.78
A9773204XE	(4C X 35)+0.5	276	0.41	0.9	3.5	31.7	40.6	0.554
A9771605XE	(5C X 2.5)+0.5	50	0.26	0.7	1.8	12.9	16.5	7.98
A9771905XE	(5C X 4)+0.5	56	0.31	0.7	2.0	14.9	19.1	4.95
A9772305XE	(5C X 6)+0.5	84	0.31	0.7	2.2	16.9	21.7	3.3
A9772705XE	(5C X 10)+0.5	80	0.41	0.7	2.5	20.3	25.9	1.91
A9772805XE	(5C X 16)+0.5	126	0.41	0.7	2.8	24.2	31	1.21
A9773005XE	(5C X 25)+0.5	196	0.41	0.9	3.4	30.2	38.7	0.78
A9773205XE	(5C X 35)+0.5	276	0.41	0.9	3.9	35.6	45.5	0.554

Note:
 X- No of Control Cable
 E- Earthing

Speciality Cables

QFTL 3C X 25+ 1C X 1.0 Sq.mm H07BZ6-F 450/750V EV Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EVI-2
- **Control Cable:** CP/CC (Control pilot/ control core) as per customer request
- **Sheath:** EVM-2
- **Sheath Color:** Orange or As per customer order

Technical Parameters

- Rated Temperature:
Static: -40°C to + 90°C
Dynamic: -35°C to +90°C
- Rated Voltage: 450/750V
- Test Voltage: 3.5kV AC (1 Hour in water both)
- Bending Radius:
Static: 5 X Cable OD
Dynamic: 15 X Cable OD
- Specification: EN 50620: 2017

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission



Quadrant Future Tek Ltd.

Applications

Electrical vehicle charging station
 Portable cables for hybrid & electric vehicles
 Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
 Enhanced DV power rating makes it ideal for high powered charging stations
 Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
 Suitability for installation with possibility of water immersion

Part Number	Nominal Cross- Section mm ²	Conductor Construction		Insulation Thickness Nom mm	Sheath Thickness Nom mm	Overall Diameter Mm		Max conductor resistance at 20°C
		No of Strands nos.	Stand dia mm (Max)			Min	Max	
A9781303XE	(3C X 1.5)+1.0	30	0.26	0.7	1.5	9.2	11.8	13.3
A9781603XE	(3C X 2.5)+1.0	50	0.26	0.7	1.6	10.5	13.5	7.98
A9781903XE	(3C X 4)+1.0	56	0.31	0.7	1.7	12.1	15.5	4.95
A9782303XE	(3C X 6)+1.0	84	0.31	0.7	1.9	13.7	17.5	3.3
A9782703XE	(3C X 10)+1.0	80	0.41	0.7	2.1	16.3	20.8	1.91
A9782803XE	(3C X 16)+1.0	126	0.41	0.7	2.4	19.4	24.9	1.21
A9783003XE	(3C X 25)+1.0	196	0.41	0.9	2.8	24.2	30.9	0.78
A9783203XE	(3C X 35)+1.0	276	0.41	0.9	3.2	28.4	36.3	0.554
A9781604XE	(4C X 2.5)+1.0	50	0.26	0.7	1.7	11.6	14.9	7.98
A9781904XE	(4C X 4)+1.0	56	0.31	0.7	1.9	13.4	17.2	4.95
A9782304XE	(4C X 6)+1.0	84	0.31	0.7	2.0	15.2	19.4	3.3
A9782704XE	(4C X 10)+1.0	80	0.41	0.7	2.3	18.1	23.2	1.91
A9782804XE	(4C X 16)+1.0	126	0.41	0.7	2.6	21.7	27.7	1.21
A9783004XE	(4C X 25)+1.0	196	0.41	0.9	3.1	27	34.5	0.78
A9783204XE	(4C X 35)+1.0	276	0.41	0.9	3.5	31.7	40.6	0.554
A9781605XE	(5C X 2.5)+1.0	50	0.26	0.7	1.8	12.9	16.5	7.98
A9781905XE	(5C X 4)+1.0	56	0.31	0.7	2.0	14.9	19.1	4.95
A9782305XE	(5C X 6)+1.0	84	0.31	0.7	2.2	16.9	21.7	3.3
A9782705XE	(5C X 10)+1.0	80	0.41	0.7	2.5	20.3	25.9	1.91
A9782805XE	(5C X 16)+1.0	126	0.41	0.7	2.8	24.2	31	1.21
A9783005XE	(5C X 25)+1.0	196	0.41	0.9	3.4	30.2	38.7	0.78
A9783205XE	(5C X 35)+1.0	276	0.41	0.9	3.9	35.6	45.5	0.554

Note:
 X- No of Control Cable
 E- Earthing



Quadrant Future Tek Ltd.

Speciality Cables

QFTL (2C X 70 + 1C X 25) + (5C X 0.75 + 1C X 0.75) TPU Outer Sheathed EV Charging Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EBXL-XLPO
- **Individual Shield:** Al. Mylar Tape
- **Individual Screen:** ATC
- **Collective Shield:** Al. Mylar Tape
- **Collective Screen:** ATC
- **Inner Sheath:** EBXL-XLPO
- **Tapping:** Water Swellable tape
- **Outer Sheath:** TPU- Black
- **Color:**
 - a) 2Cx70 Sq.mm- Red, Black
 - b) 1Cx25 Sq.mm- Green, Yellow
 - c) 5Cx0.75 Sq.mm- Orange, Purple, Blue, Brown, Grey
 - d) 1Cx0.75 Sq.mm- White or As per customer Order
- **Composite Cable**

Technical Parameters

- **Electrical Properties:**
 - Min. Insulation Volume at 20°C: 36.7MΩ/km
 - Dielectric:
 - Power Core: 2.5 kV AC/ 5 min
 - Control Core: 1.5 kV AC/ 5 min
- **Mechanical Properties:**
 - Tensile Strength (Before Ageing)
 - a) Insulation: >8Mpa
 - b) Sheath: >13Mpa
 - Elongation (Before Ageing)
 - a) Insulation: >200%
 - b) Sheath: 250%
 - Oil Resistance: Gasoline, IRM903#, IRM902#, OD Variation± 15%, No Cracking
 - Resistance against acid and alkaline at 23°C: 168H Tensile Strength Variation ± 30% Elongation > 100%
 - Cold Bend: -40°C 16 hours, No crack
 - Hot Shock: 150°C 1 hours, No crack
- **Fire Properties:**
 - Flame Resistance: Single Cable as per IEC 60332-1-2
 - Low smoke, Halogen Free & Flame Retardant: Complies
 - RoHS & REACH: Complies
 - Bending Radius, Min: 10 X Cable OD



Quadrant Future Tek Ltd.

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission

Applications

Electrical vehicle charging station

Portable cables for hybrid & electric vehicles

Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places

Enhanced DV power rating makes it ideal for high powered charging stations

Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.

Suitability for installation with possibility of water immersion

Part Number	No of core x Nominal Cross Sectional Area	No of Stands/ Stand dia	Max. DC. Conductor Resistance at 20°C	Thickness of Insulation (Nom)	Dia. Over Insulation (Nom)	Individual Shielding Material	Individual Braiding Wire Dia (Nom)	Collective Shielding Material	Collective Braiding Wire Dia (Nom)	Inner Sheath Thickness (Nom)	Thickness of Outer Sheath		Overall Diameter of Cable (Nom)	Approx Cable Weight
											No m	Max		
	Nos x sqmm	Nos x sqmm	Ω/km	mm	mm		mm		mm	mm	mm		mm	kg/km
QFEVBKG Y	2C X 70 +	2235/0.20	0.272	1.6	15.0 ± 0.50									
	1C X 25 +	800/0.20	0.786	1.2	9.60 ± 0.30									
	5C X 0.75 +	42/0.15	26	0.2	2.40 ± 0.20						2.5	3	36.0 ± 1.0	2830
	1C X 0.75	42/0.15	26	0.2	2.40 ± 0.20	Al. Mylar Tape	0.1	Al. Mylar Tape	0.12	0.5				



Quadrant Future Tek Ltd.

Speciality Cables

QFTL (2C X 50 + 1C X 25) + (2C X 0.75 + 4C X 0.5) TPU Outer Sheathed EV Charging Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EBXL-XLPO
- **Individual Shield:** Al. Mylar Tape
- **Individual Screen:** ATC
- **Collective Shield:** Al. Mylar Tape
- **Collective Screen:** ATC
- **Inner Sheath:** EBXL-XLPO
- **Tapping:** Water Swellable tape
- **Outer Sheath:** TPU- Black
- **Color:**
 - a) 2Cx50 Sq.mm- Brown, Blue
 - b) 1Cx25 Sq.mm- Green, Yellow
 - c) 2Cx0.75 Sq.mm- Green, White
 - d) 4Cx0.5 Sq.mm- Brown- Yellow Red, Purple or As per customer Order
- **Composite Cable**

Technical Parameters

- **Electrical Properties:**
 - Rated Temperature: -40°C + 125°C
 - Jacket: -40°C + 90°C
 - Min. Insulation Volume at 20°C: 36.7MΩ/km
 - Dielectric:
 - Power Core: 2.5 kV AC/ 5 min
 - Control Core: 1.5 kV AC/ 5 min
 - Min. Binding Radius: 6 X Cable OD
 - Flame Resistance: Single Cable Flame test
 - Insulation Tensile Strength
 - Before Ageing: 8Mpa: After Aging : (135°C/168H)> 70%
 - Insulation Elongation
 - Before Ageing 200 Mpa : After Aging (135°C/168H)> 70%
 - Jacket tensile Strength:
 - Before Aging: 20/Mpa: After Aging: (110°C/168H)>70%
 - Jacket Elongation:
 - Before Aging: 300Mpa : After Aging (110°C/168H)>70%
 - Oil Resistance: Gasoline, IRM903#, IRM902#, OD Variation± 15%, No Cracking
 - Resistance against acid and alkaline at 23°C: 168H Tensile Strength Variation ± 30% Elongation > 100%
 - Cold Bend: -40°C 16 hours, No crack
 - Hot Shock: 150°C 1 hours, No crack
 - Extrusion test:> 15 KN
 - RoHS & REACH: Complies
 - Low smoke, halogen free & flame retardant: Complies



Quadrant Future Tek Ltd.

Packing Length: Multiples of 300

Life time Min: Expected for period of 25 years or 20000 hrs at max

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission

Applications

- Electrical vehicle charging station
- Portable cables for hybrid & electric vehicles
- Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
- Enhanced DV power rating makes it ideal for high powered charging stations
- Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
- Suitability for installation with possibility of water immersion

Part Number	No of core x Nominal Cross Sectional Area	No of Strands/ Stand dia	Max. DC. Conductor Resistance at 20°C	Thickness of Insulation (Nom)	Dia. Over Insulation (Nom)	Individual Shielding Material	Individual Braiding Wire Dia (Nom)	Collective Shielding Material	Collective Braiding Wire Dia (Nom)	Inner Sheath Thickness (Nom)	Thickness of Outer Sheath		Overall Diameter of Cable (Nom)	Approx Cable Weight
											No m	Max		
	Nos x sqmm	Nos x sqmm	Ω/km	mm	mm		mm		mm	mm	mm		mm	kg/km
QFEVBKGY	2C X 50 +	1657/0.196	0.386	1.4	12.8 ± 0.30									
	1C X 25 +	829/0.196	0.78	1.2	9.60 ± 0.25									
	2C X 0.75	25/0.196	26	0.50	2.5 ± 0.15		0.5		0.12	0.6	2.7	3	32.5 ± 1.0	1940
	4C X 0.5	17/0.196	39	0.50	2.3 ± 0.15	Al. Mylar Tape		Al. Mylar Tape		0.2				



Quadrant Future Tek Ltd.

Speciality Cables

QFTL (2C X 70 + 1C X 25) + (2C X 0.75 + 4C X 0.5) TPU Outer Sheathed EV Charging Cable



Construction

- **Conductor:** Annealed Plain Copper Conductor (Optional: Tinned) according to 60228
- **Insulation:** EBXL-XLPO
- **Individual Shield:** Al. Mylar Tape
- **Individual Screen:** ATC
- **Collective Shield:** Al. Mylar Tape
- **Collective Screen:** ATC
- **Inner Sheath:** EBXL-XLPO
- **Outer Sheath:** TPU- Black
- **Color:**
 - a) 2Cx50 Sq.mm- Brown, Blue
 - b) 1Cx25 Sq.mm- Green, Yellow
 - c) 2Cx0.75 Sq.mm- Green, White
 - d) 4Cx0.5 Sq.mm- Brown- Yellow Red, Purple or As per customer Order
- **Composite Cable**

Technical Parameters

- **Electrical Properties:**
 - Rated Temperature: -40°C + 125°C
 - Jacket: -40°C + 90°C
 - Min. Insulation Volume at 20°C: 36.7MΩ/km
 - Dielectric:
 - Power Core: 2.5 kV AC/ 5 min
 - Control Core: 1.5 kV AC/ 5 min
 - Min. Binding Radius: 6 X Cable OD
 - Flame Resistance: Single Cable Flame test
 - Insulation Tensile Strength
 - Before Ageing: 8Mpa: After Aging : (135°C/168H)> 70%
 - Insulation Elongation
 - Before Ageing 200 Mpa : After Aging (135°C/168H)> 70%
 - Jacket tensile Strength:
 - Before Aging: 20/Mpa: After Aging: (110°C/168H)>70%
 - Jacket Elongation:
 - Before Aging: 300Mpa : After Aging (110°C/168H)>70%
 - Oil Resistance: Gasoline, IRM903#, IRM902#, OD Variation± 15%, No Cracking
 - Resistance against acid and alkaline at 23°C: 168H Tensile Strength Variation ± 30% Elongation > 100%
 - Cold Bend: -40°C 16 hours, No crack
 - Hot Shock: 150°C 1 hours, No crack
 - Extrusion test:> 15 KN
 - RoHS & REACH: Complies
 - Low smoke, halogen free & flame retardant: Complies



Quadrant Future Tek Ltd.

Packing Length: Multiples of 300

Life time Min: Expected for period of 25 years or 20000 hrs at max

Features

Designed for harsh mechanical environments

Chemical and abrasion resistant

Hydrolyse resistant

Thermal stress resistant

Halogen free

Flame resistant

High flexibility and easy to use

Light weight, thin diameter

Cable is constructed to prevent injury and leakage

Low corrosive gas emission

Applications

- Electrical vehicle charging station
- Portable cables for hybrid & electric vehicles
- Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
- Enhanced DV power rating makes it ideal for high powered charging stations
- Designed to be installed in public access environment like urban spaces, shopping centre, car park, airport etc.
- Suitability for installation with possibility of water immersion

Part Number	No of core x Nominal Cross Sectional Area	No of Stands/ Stand dia	Max. DC. Conductor Resistance at 20°C	Thickness of Insulation (Nom)	Dia. Over Insulation (Nom)	Individual Shielding Material	Individual Braiding Wire Dia (Nom)	Collective Shielding Material	Collective Braiding Wire Dia (Nom)	Inner Sheath Thickness (Nom)	Thickness of Outer Sheath		Overall Diameter of Cable (Nom)	Approx Cable Weight
											No m	Max		
	Nos x sqmm	Nos x sqmm	Ω/km	mm	mm		mm		mm	mm	mm		mm	kg/km
QFEVBKGY	2C X 70 +	2320/0.196	0.386	1.4	14.8 ± 0.30									
	1C X 25 +	829/0.196	0.78	1.2	9.60 ± 0.25									
	2C X 0.75	25/0.196	26	0.50	2.5 ± 0.15	Al. Mylar Tape	0.5	Al. Mylar Tape	0.12	0.6	2.7	3	6.8 ± 0.2	2340
	4C X 0.5	17/0.196	39	0.50	2.3 ± 0.15					0.2			5.8 ± 0.2	

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