



**Application**

- ✓ Especially used in supporting all line charging equipment.
- ✓ AC & DC Charging (Domestic Use & public Charging Station)

**Features**

- ✓ Abrasion-resistance.
- ✓ Thermal stress-resistant.
- ✓ Halogen-free.
- ✓ Flame resistant.
- ✓ Resistant to cold bend and low temperature shock.
- ✓ High charging power up to 500 KW.
- ✓ Highly flexible and lightweight therefore easy to handle at the charging station.
- ✓ Active liquid cooling as protection against overheating.
- ✓ Fast charging.
- ✓ Ozone resistant.

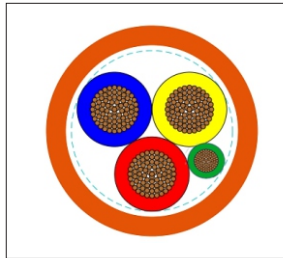
**Product Construction**

- ✓ 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
  - ✓ Conductor : Annealed Plain Copper Conductor
  - ✓ Insulation : EVI-2
- ✓ Sheath : EVM-2
- ✓ Sheath Colour : Orange (or) as per customer request

**Technical Data**

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

**2D View**



Part Number	Nominal Cross-Section mm <sup>2</sup>	Conductor Construction		Insulation Thickness Nom. mm	Sheath Thickness Nom. mm	Overall Diameter		Max. Conductor Resistance at 20°C Ω/km
		No. of Strands nos.	Stand dia. (mm) (Max.)			Min. mm	Max. mm	
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	3.30
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	0.780
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	3.30
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	27.0	34.5	0.780
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	3.30
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	31.0	1.21
A9773005XE	(5C X 25)+0.5	196	0.41	0.9	3.4	30.2	38.7	0.780
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



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