



Application

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

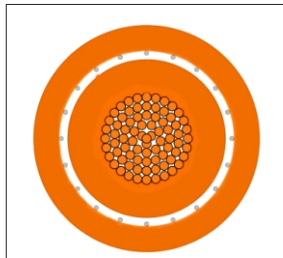
Features

- ✓ 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.
- ✓ Soldering iron resistant
- ✓ Resistant to liquid chemicals

Product 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 Colour : Orange (or) as per customer order

2D View



Technical Data

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

ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	IRIS™ Certification
LABCO	ARAI® Progress through Research	REACH COMPLIANT	RoHS COMPLIANT	CE

Part Number	Conductor Construction			Insulation Thickness (Min.)	Sheath Thickness (Nom.)	Screen Wire dia (Max.)	Over all Diameter		Weight Approx. kg/km	Current Carrying Capacity Amps	Max. Conductor Resistance at 20°C Ω/km
	Nominal Cross-Section	No. of Strands	Stand dia. (Max)				Min.	Max.			
	mm ²	nos.	mm	mm	mm	mm	mm	mm			
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	72	49	7.60
A96117XXYY	1C x 3	160	0.16	0.56	0.16	1.0	6.1	6.7	82	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	168	103	2.38
A96127XXYY	1C x 10	320	0.21	0.80	0.19	1.2	9.1	9.7	203	120	1.82
A961A11XXYY	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	430	213	0.743
A96157XXYY	1C x 30	903	0.21	1.04	0.21	1.5	14.1	14.7	480	235	0.647
A96132XXYY	1C x 35	1102	0.21	1.04	0.21	1.5	14.8	15.4	553	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	765	327	0.368
A96135XXYY	1C x 60	1841	0.21	1.20	0.21	1.6	17.8	18.6	857	370	0.315
A96137XXYY	1C x 70	2147	0.21	1.20	0.21	1.6	18.9	19.7	968	418	0.259
A96159XXYY	1C x 85	2660	0.21	1.28	0.26	1.7	20.4	21.2	1188	475	0.219

Note : XX*YY* : Please add last two digits in the part number as per the colour code given hereunder replacing XX,YY 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 the maximum conductor operating of 150° C and ambient air 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.

