



**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

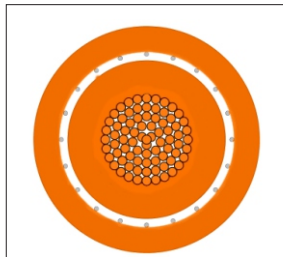
**Product Construction**

- ✓ Conductor : Annealed Plain Copper Conductor according to ISO 19642 (Flexible)
- ✓ Insulation : Electron Beam Cross Linked Polyolefin Class D (Thin 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

**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\*\*

**2D View**



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.)	Screen Wire dia (Max.)	Sheath Thickness (Nom.)	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 <sup>2</sup>	nos.	mm	mm	mm	mm	mm	mm			
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	165	120	1.82
A959A11XXYY	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	415	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	545	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	1205	516	0.196

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.

