

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

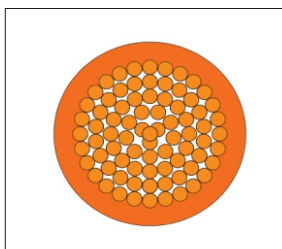
Product Construction

- ✓ Conductor : Annealed Plain Copper
- Conductor according to ISO 19642 (Flexible)
- ✓ Insulation : Electron Beam Cross Linked Polyolefin Class C (Thick Wall)
- ✓ Insulation Colour : Orange (or) As Per Customer Request

Technical Data

- ✓ 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 19642-5, ISO 6722, Generally as per QC / T 1037-2016 **

2D View



ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction			Insulation Thickness (Min.)	Over all Diameter (mm)		Weight Approx.	Current Carrying Capacity	Max. Conductor Resistance at 20°C
	Nominal Cross-Section	No. of Strands	Stand dia. (mm) (Max.)		Min.	Max.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
A93606XX*	1C x 0.5	63	0.11	0.48	2.00	2.30	9	18	37.1
A93608XX	1C x 0.75	94	0.11	0.48	2.20	2.50	12	23	24.7
A93610XX	1C x 1	125	0.11	0.48	2.40	2.70	16	28	18.5
A93612XX	1C x 1.25	155	0.11	0.48	2.40	2.95	19	33	14.9
A93613XX	1C x 1.5	182	0.11	0.48	2.70	3.00	22	35	12.7
A93614XX	1C x 2	245	0.11	0.48	3.00	3.30	27	42	9.42
A93616XX	1C x 2.5	140	0.16	0.56	3.30	3.60	35	49	7.60
A93617XX	1C x 3	160	0.16	0.56	3.80	4.10	39	56	6.15
A93619XX	1C x 4	224	0.16	0.64	4.00	4.40	53	66	4.71
A93621XX	1C x 5	250	0.16	0.64	4.50	4.90	59	74	3.94
A93623XX	1C x 6	189	0.21	0.64	4.60	5.00	74	85	3.14
A93625XX	1C x 8	240	0.21	0.64	5.00	5.90	93	103	2.38
A93627XX	1C x 10	320	0.21	0.80	5.90	6.50	123	120	1.82
A936A11XX	1C x 12	380	0.21	0.80	6.60	7.40	144	135	1.52
A93628XX	1C x 16	512	0.21	0.80	7.70	8.30	189	162	1.16
A93656XX	1C x 20	610	0.21	0.88	8.10	9.10	225	188	0.955
A93630XX	1C x 25	790	0.21	1.04	9.40	10.40	292	213	0.743
A93657XX	1C x 30	903	0.21	1.04	9.70	10.90	328	235	0.647
A93632XX	1C x 35	1102	0.21	1.04	9.60	11.60	393	263	0.527
A93658XX	1C x 40	1235	0.21	1.12	11.20	12.40	447	290	0.473
A93634XX	1C x 50	1600	0.21	1.20	11.50	13.50	569	327	0.368
A93635XX	1C x 60	1841	0.21	1.20	13.40	14.60	650	370	0.315
A93637XX	1C x 70	2147	0.21	1.20	13.50	15.50	748	418	0.259
A93659XX	1C x 85	2660	0.21	1.28	14.80	16.80	919	475	0.219
A93638XX	1C x 95	3000	0.21	1.28	16.00	18.00	1030	516	0.196
A93641XX	1C x 120	3724	0.21	1.28	17.70	19.70	1265	611	0.153

Note : XX* : Please add last two digits in the part number as per the colour 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 the maximum conductor operating of 125° 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.

