

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

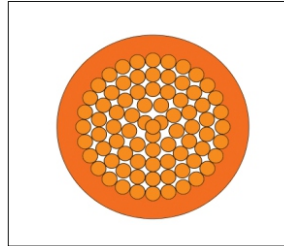
Product Construction

- ✓ Conductor : Annealed Plain Copper
Conductor according to ISO 19642 (Stranded)
- ✓ 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. (kg/km)	Current Carrying Capacity (Amps)	Max. Conductor Resistance at 20°C (Ω/km)
	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	2.00	2.30	9	17	37.1
A93808XX	1C x 0.75	19	0.24	0.48	2.20	2.50	12	21	24.7
A93810XX	1C x 1	19	0.27	0.48	2.40	2.70	16	25	18.5
A93812XX	1C x 1.25	19	0.30	0.48	2.40	2.95	19	29	14.9
A93813XX	1C x 1.5	19	0.33	0.48	2.70	3.00	22	32	12.7
A93814XX	1C x 2	19	0.38	0.48	3.00	3.30	27	38	9.42
A93816XX	1C x 2.5	37	0.30	0.56	3.30	3.60	35	44	7.60
A93817XX	1C x 3	44	0.31	0.56	3.80	4.10	38	51	6.15
A93819XX	1C x 4	56	0.31	0.64	4.00	4.40	50	60	4.71
A93821XX	1C x 5	70	0.31	0.64	4.50	4.90	58	68	3.94
A93823XX	1C x 6	84	0.31	0.64	4.60	5.00	68	77	3.14
A93825XX	1C x 8	116	0.31	0.64	5.00	5.90	90	94	2.38
A93827XX	1C x 10	144	0.31	0.80	5.90	6.50	115	109	1.82
A938A11XX	1C x 12	174	0.31	0.80	6.60	7.40	140	124	1.52
A93828XX	1C x 16	228	0.31	0.80	7.70	8.30	175	147	1.16
A93856XX	1C x 20	276	0.31	0.88	8.10	9.10	210	166	0.955
A93830XX	1C x 25	355	0.31	1.04	9.40	10.40	275	193	0.743
A93857XX	1C x 30	408	0.31	1.04	9.70	10.90	310	210	0.647
A93832XX	1C x 35	501	0.31	1.04	9.60	11.60	370	236	0.527
A93858XX	1C x 40	558	0.31	1.12	11.20	12.40	415	253	0.473
A93834XX	1C x 50	717	0.31	1.20	11.50	13.50	530	291	0.368
A93835XX	1C x 60	838	0.31	1.20	13.40	14.60	615	321	0.315
A93837XX	1C x 70	1019	0.31	1.20	13.50	15.50	740	359	0.259
A93859XX	1C x 85	1197	0.31	1.28	14.80	16.80	870	396	0.219
A93838XX	1C x 95	1347	0.31	1.28	16.00	18.00	970	424	0.196
A93841XX	1C x 120	1726	0.31	1.28	17.70	19.70	1216	489	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.

