

**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

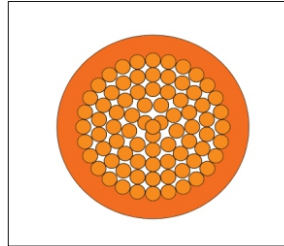
**Product Construction**

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

**Technical Data**

- ✓ Rated Temperature : - 40°C to +150°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 <sup>2</sup>	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
A94006XX*	1C x 0.5	63	0.11	0.48	2.00	2.30	9	18	37.1
A94008XX	1C x 0.75	94	0.11	0.48	2.20	2.50	12	23	24.7
A94010XX	1C x 1	125	0.11	0.48	2.40	2.70	16	28	18.5
A94012XX	1C x 1.25	155	0.11	0.48	2.40	2.95	19	32	14.9
A94013XX	1C x 1.5	182	0.11	0.48	2.70	3.00	22	35	12.7
A94014XX	1C x 2	245	0.11	0.48	3.00	3.30	27	42	9.42
A94016XX	1C x 2.5	140	0.16	0.56	3.30	3.60	35	49	7.60
A94017XX	1C x 3	160	0.16	0.56	3.80	4.10	39	56	6.15
A94019XX	1C x 4	224	0.16	0.64	4.00	4.40	53	66	4.71
A94021XX	1C x 5	250	0.16	0.64	4.50	4.90	59	74	3.94
A94023XX	1C x 6	189	0.21	0.64	4.60	5.00	74	85	3.14
A94025XX	1C x 8	240	0.21	0.64	5.00	5.90	93	103	2.38
A94027XX	1C x 10	320	0.21	0.80	5.90	6.50	123	120	1.82
A940A11XX	1C x 12	380	0.21	0.80	6.60	7.40	144	137	1.52
A94028XX	1C x 16	512	0.21	0.80	7.70	8.30	189	162	1.16
A94056XX	1C x 20	610	0.21	0.88	8.10	9.10	225	182	0.955
A94030XX	1C x 25	790	0.21	1.04	9.40	10.40	292	213	0.743
A94057XX	1C x 30	903	0.21	1.04	9.70	10.90	328	231	0.647
A94032XX	1C x 35	1102	0.21	1.04	9.60	11.60	393	260	0.527
A94058XX	1C x 40	1235	0.21	1.12	11.20	12.40	447	278	0.473
A94034XX	1C x 50	1600	0.21	1.20	11.50	13.50	569	320	0.368
A94035XX	1C x 60	1841	0.21	1.20	13.40	14.60	650	353	0.315
A94037XX	1C x 70	2147	0.21	1.20	13.50	15.50	748	394	0.259
A94059XX	1C x 85	2660	0.21	1.28	14.80	16.80	919	435	0.219
A94038XX	1C x 95	3000	0.21	1.28	16.00	18.00	1030	467	0.196
A94041XX	1C x 120	3724	0.21	1.28	17.70	19.70	1265	538	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 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.

