

**Application**

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

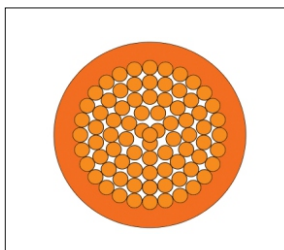
**Features**

- ✓ 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 D (Thin Wall)
- ✓ Insulation Colour : Orange (or) As Per Customer Request

**2D View**



**Technical Data**

- ✓ Rated Temperature : - 40°C to +150°C (3000 Hours)
- ✓ Max. Rated Voltage : (i) 600V AC / 900V DC (0.35mm<sup>2</sup>)  
(ii) 1000V AC / 1500V DC (0.5mm<sup>2</sup> and above)
- ✓ (ISO Conductor size 0.35Sq.mm shall not be used for 1000V AC / 1500V DC Cables)
- ✓ Test Voltage :  
(i) 3kV AC for 5 mins (0.35 Sqmm)  
(ii) 10kV AC for 5 mins (≥ 0.5 Sqmm)
- ✓ Insulation Faults : 6kV AC for 900V & 8kV AC for 1500V DC
- ✓ Specification : ISO 19642-5, ISO 6722, Generally as per QC / T 1037-2016\*\*

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

Part Number	Conductor Construction			Insulation Thickness (Min.)	Over all Diameter		Weight Approx. kg/km	Current Carrying Capacity Amps	Max. Conductor Resistance at 20°C Ω/km
	Nominal Cross-Section mm <sup>2</sup>	No. of Strands nos.	Stand dia. (Max) mm		Min. mm	Max. mm			
A94305XX*	1C x 0.35	7	0.26	0.20	1.20	1.40	5	13	54.4
A94306XX	1C x 0.5	19	0.19	0.22	1.40	1.60	6	16	37.1
A94308XX	1C x 0.75	19	0.24	0.24	1.70	1.90	9	22	24.7
A94310XX	1C x 1	19	0.27	0.24	1.90	2.10	11	26	18.5
A94312XX	1C x 1.25	19	0.30	0.24	2.10	2.30	14	30	14.9
A94313XX	1C x 1.5	19	0.33	0.24	2.20	2.40	16.5	33	12.7
A94314XX	1C x 2	19	0.38	0.28	2.50	2.80	22.5	41	9.42
A94316XX	1C x 2.5	37	0.30	0.28	2.70	3.00	26	46	7.60
A94317XX	1C x 3	44	0.31	0.32	3.10	3.40	33	54	6.15
A94319XX	1C x 4	56	0.31	0.32	3.40	3.70	41	64	4.71
A94321XX	1C x 5	70	0.31	0.32	3.90	4.20	51	72	3.94
A94323XX	1C x 6	84	0.31	0.32	4.00	4.30	60	82	3.14
A94325XX	1C x 8	116	0.31	0.32	4.60	5.00	81	100	2.38
A94327XX	1C x 10	144	0.31	0.48	5.30	6.00	104	119	1.82
A943A11XX	1C x 12	174	0.31	0.48	5.80	6.50	124	135	1.52
A94328XX	1C x 16	228	0.31	0.52	6.40	7.20	162	160	1.16
A94356XX	1C x 20	276	0.31	0.52	7.00	7.80	195	180	0.955
A94330XX	1C x 25	355	0.31	0.52	7.90	8.70	245	211	0.743
A94357XX	1C x 30	408	0.31	0.64	8.70	9.60	285	230	0.647
A94332XX	1C x 35	501	0.31	0.64	9.40	10.40	350	259	0.527
A94358XX	1C x 40	558	0.31	0.71	10.00	11.10	390	278	0.473
A94334XX	1C x 50	717	0.31	0.71	11.00	12.20	495	321	0.368
A94335XX	1C x 60	838	0.31	0.80	12.00	13.30	575	354	0.315
A94337XX	1C x 70	1019	0.31	0.80	13.00	14.40	695	396	0.259
A94359XX	1C x 85	1197	0.31	0.90	14.40	15.80	820	437	0.219
A94338XX	1C x 95	1347	0.31	0.90	15.30	16.70	920	469	0.196

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.



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