

Application

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

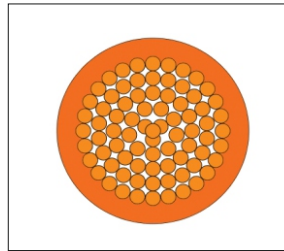
Features

- ✓ 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 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 (0.35mm²)
(ii) 1000V AC / 1500V DC (0.5mm² 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 ²	No. of Strands nos.	Stand dia. (Max) mm		Min. mm	Max. mm			
A94105XX*	1C x 0.35	45	0.11	0.20	1.20	1.40	5	13	54.4
A94106XX	1C x 0.5	63	0.11	0.22	1.40	1.60	7	16	37.1
A94108XX	1C x 0.75	94	0.11	0.24	1.70	1.90	10	22	24.7
A94110XX	1C x 1	125	0.11	0.24	1.90	2.10	13	26	18.5
A94112XX	1C x 1.25	155	0.11	0.24	2.10	2.30	16	30	14.9
A94113XX	1C x 1.5	182	0.11	0.24	2.20	2.40	18	33	12.7
A94114XX	1C x 2	245	0.11	0.28	2.50	2.80	25	41	9.42
A94116XX	1C x 2.5	140	0.16	0.28	2.70	3.00	29	46	7.60
A94117XX	1C x 3	160	0.16	0.32	3.10	3.40	33	54	6.15
A94119XX	1C x 4	224	0.16	0.32	3.40	3.70	45	64	4.71
A94121XX	1C x 5	250	0.16	0.32	3.90	4.20	51	72	3.94
A94123XX	1C x 6	189	0.21	0.32	4.00	4.30	64	82	3.14
A94125XX	1C x 8	240	0.21	0.32	4.60	5.00	82	100	2.38
A94127XX	1C x 10	320	0.21	0.48	5.30	6.00	111	119	1.82
A941A11XX	1C x 12	380	0.21	0.48	5.80	6.50	131	135	1.52
A94128XX	1C x 16	512	0.21	0.52	6.40	7.20	175	160	1.16
A94156XX	1C x 20	610	0.21	0.52	7.00	7.80	207	180	0.955
A94130XX	1C x 25	790	0.21	0.52	7.90	8.70	264	211	0.743
A94157XX	1C x 30	903	0.21	0.64	8.70	9.60	305	230	0.647
A94132XX	1C x 35	1102	0.21	0.64	9.40	10.40	367	259	0.527
A94158XX	1C x 40	1235	0.21	0.71	10.00	11.10	414	278	0.473
A94134XX	1C x 50	1600	0.21	0.71	11.00	12.20	528	321	0.368
A94135XX	1C x 60	1841	0.21	0.80	12.00	13.30	611	354	0.315
A94137XX	1C x 70	2147	0.21	0.80	13.00	14.40	708	396	0.259
A94159XX	1C x 85	2660	0.21	0.90	14.40	15.80	876	437	0.219
A94138XX	1C x 95	3000	0.21	0.90	15.30	16.70	984	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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