

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

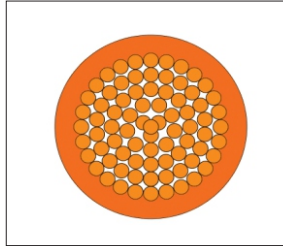
Product Construction

- ✓ Conductor : Annealed Plain Copper
Conductor according to ISO 19642 (Flexible)
- ✓ Insulation : Electron Beam Cross Linked
Polyolefin Class D (Thick wall)
- ✓ Insulation color : Orange (or) as per customer request

Technical Data

- ✓ Rated Temperature : - 40°C to +150°C (3000 Hours)
- ✓ Max. Rated Voltage : 1000 V AC (or) 1500V DC
- ✓ Test Voltage : 10kV AC for 5 mins (≥ 0.5 Sq.mm)
- ✓ Insulation Faults : 8 kV AC
- ✓ Specification : ISO 19642, ISO 6722, Generally as per QC / T 1037-2016 **

2D View



ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	IRIS TM Certification
LABCO	ARAI [®] Progress through Research	REACH COMPLIANT	RoHS COMPLIANT	CE

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	No. of Strands	Stand dia. (mm) (Max.)		Min.	Max.			
	mm ²	nos.	mm		mm	mm			
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	33	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	135	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	188	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	235	0.647
A94032XX	1C x 35	1102	0.21	1.04	9.60	11.60	393	263	0.527
A94058XX	1C x 40	1235	0.21	1.12	11.20	12.40	447	290	0.473
A94034XX	1C x 50	1600	0.21	1.20	11.50	13.50	569	327	0.368
A94035XX	1C x 60	1841	0.21	1.20	13.40	14.60	650	370	0.315
A94037XX	1C x 70	2147	0.21	1.20	13.50	15.50	748	418	0.259
A94059XX	1C x 85	2660	0.21	1.28	14.80	16.80	919	475	0.219
A94038XX	1C x 95	3000	0.21	1.28	16.00	18.00	1030	516	0.196
A94041XX	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 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.

