

Application

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

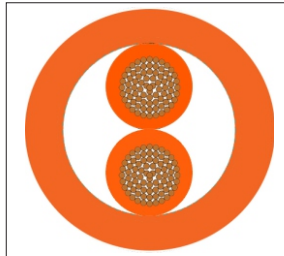
Features

- ✓ 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 color : As per ISO 19642-1
- ✓ Sheath : Electron Beam Crossed Linked Polyolefin
- ✓ Sheath Colour : Orange (or) as per Customer order

2D View



Technical Data

- ✓ Rated Temperature : - 40°C to +150°C (3000 Hours)
- ✓ Max. Rated Voltage : 1000V AC (or) 1500V DC
- ✓ Test Voltage : 10kV AC for 5 mins (≥ 0.5 Sqmm)
- ✓ Insulation Faults : 8 kV AC
- ✓ Specification : ISO 19642-9, ISO 6722, Generally as per QC / T 1037-2016**

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

Part Number	Conductor Construction			Insulation Thickness (Min.)	Sheath Thickness (Nom.)	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			
A9481302	2C x 1.5	182	0.11	0.24	0.6	5.4	5.9	50	28	12.7
A9481303	3C x 1.5	182	0.11	0.24	0.6	5.8	6.4	73	25	12.7
A9481304	4C x 1.5	182	0.11	0.24	0.6	6.5	7.0	95	23	12.7
A9481602	2C x 2.5	140	0.16	0.28	0.6	6.7	7.3	78	39	7.60
A9481603	3C x 2.5	140	0.16	0.28	0.7	7.2	7.8	110	34	7.60
A9481604	4C x 2.5	140	0.16	0.28	0.7	8.0	8.6	140	32	7.60
A9481902	2C x 4	224	0.16	0.32	0.7	8.1	8.8	115	53	4.71
A9481903	3C x 4	224	0.16	0.32	0.7	8.7	9.4	165	46	4.71
A9481904	4C x 4	224	0.16	0.32	0.8	9.7	10.4	214	43	4.71
A9482302	2C x 6	189	0.21	0.32	0.7	9.4	10.1	158	68	3.14
A9482303	3C x 6	189	0.21	0.32	0.8	10.1	10.8	225	59	3.14
A9482304	4C x 6	189	0.21	0.32	0.8	11.2	12.0	295	55	3.14
A9482702	2C x 10	320	0.21	0.48	0.8	12.8	13.7	265	96	1.82
A9482703	3C x 10	320	0.21	0.48	0.9	13.8	14.7	383	84	1.82
A9482802	2C x 16	512	0.21	0.52	0.9	15.3	16.2	420	130	1.16
A9482803	3C x 16	512	0.21	0.52	0.9	16.4	17.4	590	113	1.16

Note :

- ✓ 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.

