



Application

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

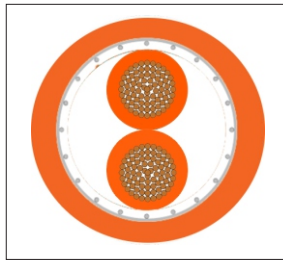
Features

- ✓ 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 : As per ISO 19642-1
- ✓ Braiding : Annealed Tinned Copper Conductor
- ✓ Screening : Al. Mylar Tape
- ✓ 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.)	Screen Wire dia (Max.)	Foil Thickness (Max.)	Sheath Thickness (Min.)	Overall Diameter Max.	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								
A9691302	2C x 1.5	182	0.11	0.48	0.19	0.065	1.01	10.3	127	28	12.7
A9691303	3C x 1.5	182	0.11	0.48	0.21	0.065	1.04	10.9	160	25	12.7
A9691304	4C x 1.5	182	0.11	0.48	0.21	0.065	1.07	11.9	190	23	12.7
A9691602	2C x 2.5	140	0.16	0.56	0.21	0.065	1.07	11.9	180	39	7.60
A9691603	3C x 2.5	140	0.16	0.56	0.21	0.065	1.10	12.5	224	34	7.60
A9691604	4C x 2.5	140	0.16	0.56	0.21	0.065	1.13	13.6	273	32	7.60
A9691902	2C x 4	224	0.16	0.64	0.21	0.065	1.14	13.8	240	53	4.71
A9691903	3C x 4	224	0.16	0.64	0.21	0.065	1.16	14.6	304	46	4.71
A9691904	4C x 4	224	0.16	0.64	0.21	0.065	1.20	15.9	374	43	4.71
A9692302	2C x 6	189	0.21	0.64	0.21	0.065	1.18	15.2	298	68	3.14
A9692303	3C x 6	189	0.21	0.64	0.21	0.065	1.21	16.1	385	59	3.14
A9692304	4C x 6	189	0.21	0.64	0.26	0.065	1.25	17.7	497	55	3.14
A9692702	2C x 10	320	0.21	0.80	0.26	0.065	1.27	18.8	466	96	1.82
A9692703	3C x 10	320	0.21	0.80	0.26	0.065	1.30	19.9	608	84	1.82
A9692802	2C x 16	512	0.21	0.80	0.26	0.065	1.35	22.8	662	130	1.16
A9692803	3C x 16	512	0.21	0.80	0.26	0.065	1.38	24.2	875	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.

