



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

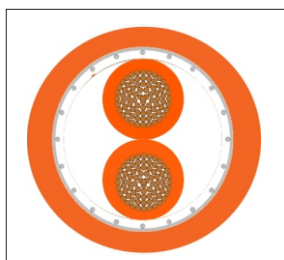
Product Construction

- ✓ 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
- ✓ Braiding : Annealed Tinned Copper Conductor
- ✓ Screening : Al. Mylar Tape
- ✓ Sheath : Electron Beam Crossed Linked
Polyolefin
- ✓ Sheath Colour : Orange (or) as per customer order

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**

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.)	Screen Wire dia (Max.)	Foil Thickness (Nom.)	Sheath Thickness (Nom.)	Overall Diameter Max.	Weight Approx.	Current Carrying Capacity	Max. Conductor Resistance at 20°C
	Nominal Cross-Section	No. of Strands	Stand dia. (Max)								
	mm ²	nos.	mm	mm	mm	mm	mm	mm	kg/km	Amps	Ω/km
A9671302	2C x 1.5	182	0.11	0.24	0.19	0.065	0.52	7.4	88	28	12.7
A9671303	3C x 1.5	182	0.11	0.24	0.19	0.065	0.53	7.9	111	25	12.7
A9671304	4C x 1.5	182	0.11	0.24	0.19	0.065	0.56	8.6	135	23	12.7
A9671602	2C x 2.5	140	0.16	0.28	0.19	0.065	0.56	8.9	120	39	7.60
A9671603	3C x 2.5	140	0.16	0.28	0.21	0.065	0.58	9.5	160	34	7.60
A9671604	4C x 2.5	140	0.16	0.28	0.21	0.065	0.60	10.4	200	32	7.60
A9671902	2C x 4	224	0.16	0.32	0.21	0.065	0.61	10.6	176	53	4.71
A9671903	3C x 4	224	0.16	0.32	0.21	0.065	0.62	11.2	228	46	4.71
A9671904	4C x 4	224	0.16	0.32	0.21	0.065	0.65	12.3	286	43	4.71
A9672302	2C x 6	189	0.21	0.32	0.21	0.065	0.64	11.9	229	68	3.14
A9672303	3C x 6	189	0.21	0.32	0.21	0.065	0.66	12.7	302	59	3.14
A9672304	4C x 6	189	0.21	0.32	0.21	0.065	0.68	13.9	380	55	3.14
A9672702	2C x 10	320	0.21	0.48	0.21	0.065	0.71	15.7	365	96	1.82
A9672703	3C x 10	320	0.21	0.48	0.26	0.065	0.73	16.9	508	84	1.82
A9672802	2C x 16	512	0.21	0.52	0.26	0.065	0.75	18.5	560	130	1.16
A9672803	3C x 16	512	0.21	0.52	0.26	0.065	0.77	19.7	755	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.



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