

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

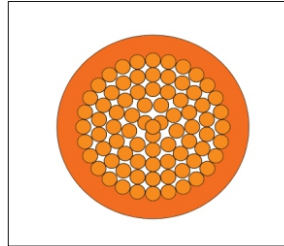
Product Construction

- ✓ Conductor : Annealed Plain Copper
Conductor according to ISO 19642 (Stranded)
- ✓ Insulation : Electron Beam Cross Linked Polyolefin Class D (Thick Wall)
- ✓ Insulation Colour : Orange (or) As Per Customer Request

Technical Data

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

2D View



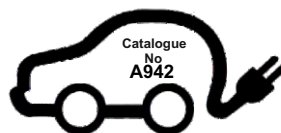
ISO 9001	ISO 14001	IATF 16949	OHSAS 18001	AS 9100	ISO 45001

Part Number	Conductor Construction			Insulation Thickness (Min.)	Over all Diameter (mm)		Weight Approx.	Current Carrying Capacity	Max. Conductor Resistance at 20°C
	Nominal Cross-Section	No. of Strands	Stand dia. (mm) (Max.)		Min.	Max.			
	mm ²	nos.	mm	mm	mm	mm	kg/km	Amps	Ω/km
A94206XX*	1C x 0.5	19	0.19	0.48	2.00	2.30	9	18	37.1
A94208XX	1C x 0.75	19	0.24	0.48	2.20	2.50	12	23	24.7
A94210XX	1C x 1	19	0.27	0.48	2.40	2.70	16	28	18.5
A94212XX	1C x 1.25	19	0.30	0.48	2.40	2.95	19	32	14.9
A94213XX	1C x 1.5	19	0.33	0.48	2.70	3.00	22	35	12.7
A94214XX	1C x 2	19	0.38	0.48	3.00	3.30	27	42	9.42
A94216XX	1C x 2.5	37	0.30	0.56	3.30	3.60	35	49	7.60
A94217XX	1C x 3	44	0.31	0.56	3.80	4.10	38	56	6.15
A94219XX	1C x 4	56	0.31	0.64	4.00	4.40	50	66	4.71
A94221XX	1C x 5	70	0.31	0.64	4.50	4.90	58	74	3.94
A94223XX	1C x 6	84	0.31	0.64	4.60	5.00	68	85	3.14
A94225XX	1C x 8	116	0.31	0.64	5.00	5.90	90	103	2.38
A94227XX	1C x 10	144	0.31	0.80	5.90	6.50	115	120	1.82
A942A11XX	1C x 12	174	0.31	0.80	6.60	7.40	140	137	1.52
A94228XX	1C x 16	228	0.31	0.80	7.70	8.30	175	162	1.16
A94256XX	1C x 20	276	0.31	0.88	8.10	9.10	210	182	0.955
A94230XX	1C x 25	355	0.31	1.04	9.40	10.40	275	213	0.743
A94257XX	1C x 30	408	0.31	1.04	9.70	10.90	310	231	0.647
A94232XX	1C x 35	501	0.31	1.04	9.60	11.60	370	260	0.527
A94258XX	1C x 40	558	0.31	1.12	11.20	12.40	415	278	0.473
A94234XX	1C x 50	717	0.31	1.20	11.50	13.50	530	320	0.368
A94235XX	1C x 60	838	0.31	1.20	13.40	14.60	615	353	0.315
A94237XX	1C x 70	1019	0.31	1.20	13.50	15.50	740	394	0.259
A94259XX	1C x 85	1197	0.31	1.28	14.80	16.80	870	435	0.219
A94238XX	1C x 95	1347	0.31	1.28	16.00	18.00	970	467	0.196
A94241XX	1C x 120	1726	0.31	1.28	17.70	19.70	1216	538	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.



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