Siechem
Wires & Cables

Application

- ✓ Electrical vehicle charging station
- ✓ Portable cables for hybrid & electric vehicles
- ✓ Designed to be installed (both indoors and outdoors) at private homes, communal blocks, companies & other places
- ✓ Enchanced DV power rating makes it ideal for high powered charging stations
- ✓ Designed to be installed in public access environment likes urban spaces, shopping centre, car park, airport etc.
- ✓ Suitability for installation with possibility of water immersion
- ✓ Screened cable for hybrid and electrical vehicles
- ✓ High voltage cable applications for hybrid and electrical vehicles

Product Construction

- ✓ Conductor : Soft-Annealed Electrolytic Plain Flexible Copper Conductor
- ✓ Insulation : EBXL-XLPO
- ✓ Insulation Colour : White
- ✓ Screening : Annealed Tinned Copper
- ✓ Outer Sheath :EBXL-XLPO
- ✓ Sheath Colour : Orange

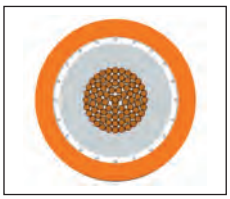
Technical Data

- ✓ Temperature Range : - 40°C to +150°C (3000 Hours)
- ✓ Voltage Rating (U_0/U) : 600V AC / 1000V AC
- ✓ Test Voltage, 1min : 3.5 kV AC / 8.4 kV DC
- ✓ Standard (Generally) : ISO 6722 - 1, Class D
- ✓ Min. Bending Radius (fixed) : 4 X Cable dia.
- ✓ Version crossed sections available from 1.5 to 150 mm²

Features

- ✓ Abrasion resistant
- ✓ Hydrolyse resistant
- ✓ Bending cycles-resistant
- ✓ Thermal Stress resistant
- ✓ Halogen free.
- ✓ Flame resistant.
- ✓ High Compatibility.
- ✓ XLPO for cable insulation prolonging the aging resistance life-span.
- ✓ Cable is constructed to prevent injury and leakage.
- ✓ Low corrosive gas emission.
- ✓ Enhanced cable flexibility
- ✓ Excellent high and low temperature resistance
- ✓ Weathering resistance

2D View



Approvals	Accreditations	Certifications

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Part Number	Conductor Construction			Insulation Thickness (Nom)	Insulation Core diameter		Screen Wire dia (Nom)	Outer Sheath Thickness (Nom)	Overall Diameter	Weight Approx.	Current Carrying Capacity	(Max) Conductor Resistance at 20°C	Standard Length*
	Nominal Cross-Section	No. of Strands	Diameter of Single wire (Max)		(Min)	(Max)							
	mm²	nos.	mm	mm	mm	mm	mm	mm	mm	kg/km	Amps	Ω/km	mtrs
A898130910	1.5	30	0.26	0.35	2.2	2.4	0.10	0.45	3.9 ± 0.3	33	33	12.7	500
A898160910	2.5	50	0.26	0.35	2.7	3.0	0.10	0.55	5.0 ± 0.3	50	46	7.6	500
A898190910	4	56	0.31	0.40	3.4	3.7	0.10	0.60	5.8 ± 0.3	70	64	4.71	500
A898230910	6	84	0.31	0.40	4.0	4.3	0.10	0.70	6.6 ± 0.3	100	82	3.14	500
A898270910	10	80	0.41	0.60	5.3	6.0	0.10	0.85	8.4 ± 0.3	155	119	1.82	500
A898280910	16	126	0.41	0.65	6.4	7.2	0.15	0.85	9.8 ± 0.3	230	160	1.16	500
A898300910	25	196	0.41	0.65	7.9	8.7	0.15	0.90	11.2 ± 0.3	330	211	0.743	500
A898320910	35	276	0.41	0.80	9.4	10.4	0.15	0.90	12.7 ± 0.3	450	259	0.527	500
A898340910	50	396	0.41	0.90	11.0	12.0	0.20	1.20	15.5 ± 0.3	665	321	0.368	500
A898370910	70	360	0.51	1.00	13.0	14.0	0.20	1.30	17.8 ± 0.4	895	411	0.259	500
A898380910	95	475	0.51	1.10	15.3	16.7	0.25	1.30	19.9 ± 0.4	1145	509	0.196	500
A898410910	120	608	0.51	1.40	17.0	18.5	0.25	1.50	22.6 ± 0.4	1450	538	0.153	500
A898420910	150	756	0.51	1.50	19.0	20.5	0.25	1.60	24.9 ± 0.5	1778	621	0.122	500

✓ Current carrying capacity given for the maximum conductor operating of 150°C and ambient temperature of 40°C.

** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.

Catalogue Number
A898

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