



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
- ✓ 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
- ✓ Braiding : Annealed Tinned Copper
- ✓ Tape : Polyester Tape
- ✓ Outer Sheath : EBXL-XLPO
- ✓ Sheath Colour : Orange

Technical Data

- ✓ Temperature Range : -40°C to +150°C (3000Hours)
- ✓ Voltage Rating (U₀) : 600V AC
- ✓ Standard : ISO 6722 - 1, Class D
- ✓ Min. Bending Radius (fixed) : 4 X Cable dia.
- ✓ Core Colour :
 - 2 Core - White, Black
 - 3 Core - Red, White, Black
 - 4 Core - Brown, Red, White, Black

Features

- ✓ Designed for harsh mechanical environments.
- ✓ Chemical and abrasion resistant.
- ✓ Hydrolyse resistant.
- ✓ Thermal stress resistant.
- ✓ Halogen free.
- ✓ Flame resistant.
- ✓ High flexibility and easy to use.
- ✓ Light weight, thin diameter.
- ✓ Cable is constructed to prevent injury and leakage.
- ✓ Low corrosive gas emission
- ✓ Excellent high and low temperature resistance
- ✓ Enhanced cable flexibility
- ✓ Easy and low-effort cable routing
- ✓ Resistance against humidity, petrol and brake fluids.

2D View



Approvals Accreditations Certifications



Part Number	Conductor Construction			Insulation Thickness (Nom)	Screen Wire dia (Nom)	Outer Sheath Thickness (Nom)	Overall Diameter	Weight Approx.	Max. Conductor Resistance at 20°C	Current Carrying Capacity
	Nominal Cross Section	No. of Strands	Diameter of Single wire(max.)							
		Nos	mm	mm	mm	mm	mm	kg/km	Ω/km	Amps
A5170602	2 x 0.5	19	0.19	0.35	0.10	0.60	5.5 ± 0.3	50	37.1	21
A5170802	2 x 0.75	19	0.24	0.35	0.10	0.60	6.1 ± 0.3	60	24.7	27
A5171302	2 x 1.5	19	0.33	0.35	0.10	0.60	7.1 ± 0.3	90	12.7	41
A5171602	2 x 2.5	50	0.26	0.35	0.10	0.70	8.3 ± 0.3	120	7.60	56
A5172302	2 x 6	84	0.31	0.40	0.10	0.70	13.2 ± 0.2	305	3.14	97
A5172702	2 x 10	80	0.41	0.75	0.15	0.60	14.6 ± 0.4	400	1.82	144
A5170603	3 x 0.5	19	0.19	0.35	0.10	0.60	5.8 ± 0.3	60	37.1	20
A5170803	3 x 0.75	19	0.24	0.35	0.10	0.60	6.4 ± 0.3	70	24.7	25
A5171303	3 x 1.5	19	0.33	0.35	0.10	0.70	7.3 ± 0.3	100	12.7	38
A5171603	3 x 2.5	50	0.26	0.35	0.10	0.80	8.7 ± 0.3	145	7.60	52
A5172303	3 x 6	84	0.31	0.40	0.10	0.80	12.2 ± 0.4	315	3.14	92
A5172703	3 x 10	80	0.41	0.75	0.15	0.90	16.0 ± 0.5	500	1.82	135
A5170604	4 x 0.5	19	0.19	0.35	0.10	0.60	6.3 ± 0.3	70	37.1	19
A5170804	4 x 0.75	19	0.24	0.35	0.10	0.60	6.9 ± 0.3	85	24.1	24
A5171304	4 x 1.5	19	0.33	0.35	0.10	0.65	8.1 ± 0.3	130	12.7	37
A5171604	4 x 2.5	50	0.26	0.35	0.10	0.70	9.2 ± 0.3	185	7.60	50
A5171904	4 x 4	56	0.31	0.40	0.10	0.80	11.5 ± 0.4	270	4.71	68
A5172304	4 x 6	84	0.31	0.40	0.15	0.80	12.9 ± 0.4	390	3.14	88
A5172704	4 x 10	80	0.41	0.75	0.15	0.90	17.3 ± 0.5	660	1.82	130
A5170605	5 x 0.5	19	0.19	0.35	0.10	0.70	7.0 ± 0.3	80	37.1	18
A5170805	5 x 0.75	19	0.24	0.35	0.10	0.70	7.7 ± 0.3	105	24.1	23
A5171305	5 x 1.5	19	0.33	0.35	0.10	0.75	9.0 ± 0.3	160	12.7	36
A5171605	5 x 2.5	50	0.26	0.35	0.10	0.80	10.5 ± 0.3	230	7.60	49



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	Nominal Cross Section	No. of Strands	Diameter of Single wire(max.)							
		Nos	mm	mm	mm	mm	mm	kg/km	Ω/km	Amps
A5171905	5 x 4	56	0.31	0.40	0.15	0.80	13.3 ± 0.4	360	4.71	66
A5172305	5 x 6	84	0.31	0.40	0.15	0.85	14.5 ± 0.4	480	3.14	87
A5172705	5 x 10	80	0.41	0.75	0.15	1.00	19.4 ± 0.5	810	1.82	127
A5170606	6 x 0.5	19	0.19	0.35	0.10	0.80	7.7 ± 0.3	95	37.1	18
A5170806	6 x 0.75	19	0.24	0.35	0.10	0.80	8.5 ± 0.3	125	24.1	23
A5171306	6 x 1.5	19	0.33	0.35	0.10	0.80	9.9 ± 0.3	185	12.7	36
A5171606	6 x 2.5	50	0.26	0.35	0.10	0.90	11.6 ± 0.3	270	7.60	48
A5171906	6 x 4	56	0.31	0.40	0.15	0.90	14.4 ± 0.4	420	4.71	66
A5172306	6 x 6	84	0.31	0.40	0.15	0.95	16.3 ± 0.4	575	3.14	85
A5172706	6 x 10	80	0.41	0.75	0.15	1.10	21.4 ± 0.5	960	1.82	124
A5171902	2 x 4	56	0.31	0.40	0.10	1.5	10.0 ± 0.3	180	4.71	75
A517N1902	2 x 4	56	0.31	0.40	0.10	1.5	10.0 ± 0.3	180	4.71	75
A5171903	3 x 4	56	0.31	0.40	0.10	1.2	11.5 ± 0.4	240	4.71	71
A517N1903	3 x 4	56	0.31	0.40	0.10	1.2	11.5 ± 0.4	240	4.71	71

- ✓ Current carrying capacity given for the maximum conductor operating of 150°C and ambient temperature of 30°C
- ✓ Note : N - Natural Colour with number printing
- ** We have obtained various approvals, accreditations, and certifications — some of which may not be relevant to this catalog.



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