



ARMOURED LV POWER CABLE

IEC 60502-1

55 orderable sizes

STANDARD IEC 60502-1	VOLTAGE CLASS 0.6/1 kV	CONDUCTOR Copper or aluminium conductor
INSULATION / JACKET PVC		

Construction

- 1 ■ Conductor (per core) – Copper conductor · 7 × Ø0.85 mm · IEC 60228 cl.2
- 2 ■ Core insulation – XLPE
- 3 ■ Filler – PP filler
- 4 ■ Bedding – PVC bedding
- 5 ■ Armour – Galvanised steel wire armour (SWA)
- 6 ■ Sheath – PVC

Size selection — all available cross-sections

Cable reference	Core layout	Conductor size	Conductor	Max DC resistance at 20 °C	OD guide
IEC 60502-1 XLPE/SWA/PVC 2C Copper 1.5 mm ² PVC	2C	1.5 mm ²	Copper conductor	12.1 Ω/km	21 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 2.5 mm ² PVC	2C	2.5 mm ²	Copper conductor	7.41 Ω/km	22 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 4 mm ² PVC	2C	4 mm ²	Copper conductor	4.61 Ω/km	23 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 6 mm ² PVC	2C	6 mm ²	Copper conductor	3.08 Ω/km	24 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 10 mm ² PVC	2C	10 mm ²	Copper conductor	1.83 Ω/km	26 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 16 mm ² PVC	2C	16 mm ²	Copper conductor	1.15 Ω/km	27 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 25 mm ² PVC	2C	25 mm ²	Copper conductor	0.727 Ω/km	30 mm

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IEC 60502-1 XLPE/SWA/PVC 2C Copper 35 mm ² PVC	2C	35 mm ²	Copper conductor	0.524 Ω/km	32 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 50 mm ² PVC	2C	50 mm ²	Copper conductor	0.387 Ω/km	34 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 70 mm ² PVC	2C	70 mm ²	Copper conductor	0.268 Ω/km	37 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 95 mm ² PVC	2C	95 mm ²	Copper conductor	0.193 Ω/km	40 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 120 mm ² PVC	2C	120 mm ²	Copper conductor	0.153 Ω/km	43 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 150 mm ² PVC	2C	150 mm ²	Copper conductor	0.124 Ω/km	46 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 185 mm ² PVC	2C	185 mm ²	Copper conductor	0.0991 Ω/km	49 mm
IEC 60502-1 XLPE/SWA/PVC 2C Copper 240 mm ² PVC	2C	240 mm ²	Copper conductor	0.0754 Ω/km	53 mm
IEC 60502-1 XLPE/SWA/PVC 3C Copper 1.5 mm ² PVC	3C	1.5 mm ²	Copper conductor	12.1 Ω/km	24 mm
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IEC 60502-1 XLPE/SWA/PVC 3C Copper 70 mm ² PVC	3C	70 mm ²	Copper conductor	0.268 Ω/km	39 mm
IEC 60502-1 XLPE/SWA/PVC 3C Copper 95 mm ² PVC	3C	95 mm ²	Copper conductor	0.193 Ω/km	42 mm
IEC 60502-1 XLPE/SWA/PVC 3C Copper 120 mm ² PVC	3C	120 mm ²	Copper conductor	0.153 Ω/km	45 mm
IEC 60502-1 XLPE/SWA/PVC 3C Copper 150 mm ² PVC	3C	150 mm ²	Copper conductor	0.124 Ω/km	48 mm

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IEC 60502-1 XLPE/SWA/PVC 3C Copper 240 mm ² PVC	3C	240 mm ²	Copper conductor	0.0754 Ω/km	55 mm
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IEC 60502-1 XLPE/SWA/PVC 2C Aluminium 25 mm ² PVC	2C	25 mm ²	Aluminium conductor	1.20 Ω/km	30 mm
IEC 60502-1 XLPE/SWA/PVC 2C Aluminium 35 mm ² PVC	2C	35 mm ²	Aluminium conductor	0.868 Ω/km	32 mm
IEC 60502-1 XLPE/SWA/PVC 2C Aluminium 50 mm ² PVC	2C	50 mm ²	Aluminium conductor	0.641 Ω/km	34 mm
IEC 60502-1 XLPE/SWA/PVC 2C Aluminium 70 mm ² PVC	2C	70 mm ²	Aluminium conductor	0.443 Ω/km	37 mm
IEC 60502-1 XLPE/SWA/PVC 2C Aluminium 95 mm ² PVC	2C	95 mm ²	Aluminium conductor	0.320 Ω/km	40 mm
IEC 60502-1 XLPE/SWA/PVC 2C Aluminium 120 mm ² PVC	2C	120 mm ²	Aluminium conductor	0.253 Ω/km	43 mm
IEC 60502-1 XLPE/SWA/PVC 2C Aluminium 150 mm ² PVC	2C	150 mm ²	Aluminium conductor	0.206 Ω/km	46 mm
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