



EUROPEAN LV POWER CABLE

VDE 0276

63 orderable sizes

STANDARD VDE 0276	VOLTAGE CLASS 0.6/1 kV	CONDUCTOR Copper conductor
INSULATION / JACKET PVC		

Construction

- 1 ■ Conductor (per core) – Copper conductor · 7 × Ø2.13 mm · IEC 60228 cl.2
- 2 ■ Core insulation – XLPE
- 3 ■ Filler – PP filler
- 4 ■ Sheath – PVC

Size selection — all available cross-sections

Cable reference	Core layout	Conductor size	Conductor	Max DC resistance at 20 °C	OD guide
N2XY 1C Copper 16 mm ² PVC	1C	16 mm ²	Copper conductor	1.15 Ω/km	18 mm
N2XY 1C Copper 25 mm ² PVC	1C	25 mm ²	Copper conductor	0.727 Ω/km	20 mm
N2XY 1C Copper 50 mm ² PVC	1C	50 mm ²	Copper conductor	0.387 Ω/km	25 mm
N2XY 1C Copper 70 mm ² PVC	1C	70 mm ²	Copper conductor	0.268 Ω/km	28 mm
N2XY 1C Copper 95 mm ² PVC	1C	95 mm ²	Copper conductor	0.193 Ω/km	31 mm
N2XY 1C Copper 150 mm ² PVC	1C	150 mm ²	Copper conductor	0.124 Ω/km	36 mm
N2XY 1C Copper 240 mm ² PVC	1C	240 mm ²	Copper conductor	0.0754 Ω/km	43 mm
N2XY 1C Copper 400 mm ² PVC	1C	400 mm ²	Copper conductor	0.0470 Ω/km	53 mm
N2XY 2C Copper 1.5 mm ² PVC	2C	1.5 mm ²	Copper conductor	12.1 Ω/km	14 mm

Cable reference	Core layout	Conductor size	Conductor	Max DC resistance at 20 °C	OD guide
N2XY 2C Copper 2.5 mm ² PVC	2C	2.5 mm ²	Copper conductor	7.41 Ω/km	15 mm
N2XY 2C Copper 4 mm ² PVC	2C	4 mm ²	Copper conductor	4.61 Ω/km	16 mm
N2XY 2C Copper 6 mm ² PVC	2C	6 mm ²	Copper conductor	3.08 Ω/km	17 mm
N2XY 2C Copper 10 mm ² PVC	2C	10 mm ²	Copper conductor	1.83 Ω/km	19 mm
N2XY 2C Copper 16 mm ² PVC	2C	16 mm ²	Copper conductor	1.15 Ω/km	20 mm
N2XY 2C Copper 25 mm ² PVC	2C	25 mm ²	Copper conductor	0.727 Ω/km	23 mm
N2XY 2C Copper 35 mm ² PVC	2C	35 mm ²	Copper conductor	0.524 Ω/km	25 mm
N2XY 2C Copper 50 mm ² PVC	2C	50 mm ²	Copper conductor	0.387 Ω/km	27 mm
N2XY 2C Copper 70 mm ² PVC	2C	70 mm ²	Copper conductor	0.268 Ω/km	30 mm
N2XY 2C Copper 95 mm ² PVC	2C	95 mm ²	Copper conductor	0.193 Ω/km	33 mm
N2XY 2C Copper 120 mm ² PVC	2C	120 mm ²	Copper conductor	0.153 Ω/km	36 mm
N2XY 2C Copper 150 mm ² PVC	2C	150 mm ²	Copper conductor	0.124 Ω/km	39 mm
N2XY 2C Copper 185 mm ² PVC	2C	185 mm ²	Copper conductor	0.0991 Ω/km	42 mm
N2XY 2C Copper 240 mm ² PVC	2C	240 mm ²	Copper conductor	0.0754 Ω/km	46 mm
N2XY 3C Copper 1.5 mm ² PVC	3C	1.5 mm ²	Copper conductor	12.1 Ω/km	17 mm
N2XY 3C Copper 2.5 mm ² PVC	3C	2.5 mm ²	Copper conductor	7.41 Ω/km	17 mm
N2XY 3C Copper 4 mm ² PVC	3C	4 mm ²	Copper conductor	4.61 Ω/km	18 mm
N2XY 3C Copper 6 mm ² PVC	3C	6 mm ²	Copper conductor	3.08 Ω/km	19 mm
N2XY 3C Copper 10 mm ² PVC	3C	10 mm ²	Copper conductor	1.83 Ω/km	21 mm
N2XY 3C Copper 16 mm ² PVC	3C	16 mm ²	Copper conductor	1.15 Ω/km	23 mm
N2XY 3C Copper 25 mm ² PVC	3C	25 mm ²	Copper conductor	0.727 Ω/km	25 mm

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N2XY 3C Copper 35 mm ² PVC	3C	35 mm ²	Copper conductor	0.524 Ω/km	27 mm
N2XY 3C Copper 50 mm ² PVC	3C	50 mm ²	Copper conductor	0.387 Ω/km	29 mm
N2XY 3C Copper 70 mm ² PVC	3C	70 mm ²	Copper conductor	0.268 Ω/km	32 mm
N2XY 3C Copper 95 mm ² PVC	3C	95 mm ²	Copper conductor	0.193 Ω/km	35 mm
N2XY 3C Copper 120 mm ² PVC	3C	120 mm ²	Copper conductor	0.153 Ω/km	38 mm
N2XY 3C Copper 150 mm ² PVC	3C	150 mm ²	Copper conductor	0.124 Ω/km	41 mm
N2XY 3C Copper 185 mm ² PVC	3C	185 mm ²	Copper conductor	0.0991 Ω/km	44 mm
N2XY 3C Copper 240 mm ² PVC	3C	240 mm ²	Copper conductor	0.0754 Ω/km	48 mm
N2XY 4C Copper 1.5 mm ² PVC	4C	1.5 mm ²	Copper conductor	12.1 Ω/km	19 mm
N2XY 4C Copper 2.5 mm ² PVC	4C	2.5 mm ²	Copper conductor	7.41 Ω/km	20 mm
N2XY 4C Copper 4 mm ² PVC	4C	4 mm ²	Copper conductor	4.61 Ω/km	21 mm
N2XY 4C Copper 6 mm ² PVC	4C	6 mm ²	Copper conductor	3.08 Ω/km	22 mm
N2XY 4C Copper 10 mm ² PVC	4C	10 mm ²	Copper conductor	1.83 Ω/km	23 mm
N2XY 4C Copper 16 mm ² PVC	4C	16 mm ²	Copper conductor	1.15 Ω/km	25 mm
N2XY 4C Copper 25 mm ² PVC	4C	25 mm ²	Copper conductor	0.727 Ω/km	27 mm
N2XY 4C Copper 35 mm ² PVC	4C	35 mm ²	Copper conductor	0.524 Ω/km	29 mm
N2XY 4C Copper 50 mm ² PVC	4C	50 mm ²	Copper conductor	0.387 Ω/km	32 mm
N2XY 4C Copper 70 mm ² PVC	4C	70 mm ²	Copper conductor	0.268 Ω/km	35 mm
N2XY 4C Copper 95 mm ² PVC	4C	95 mm ²	Copper conductor	0.193 Ω/km	38 mm
N2XY 4C Copper 120 mm ² PVC	4C	120 mm ²	Copper conductor	0.153 Ω/km	40 mm
N2XY 4C Copper 150 mm ² PVC	4C	150 mm ²	Copper conductor	0.124 Ω/km	43 mm

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N2XY 4C Copper 185 mm ² PVC	4C	185 mm ²	Copper conductor	0.0991 Ω/km	46 mm
N2XY 4C Copper 240 mm ² PVC	4C	240 mm ²	Copper conductor	0.0754 Ω/km	50 mm
N2XY 5C Copper 1.5 mm ² PVC	5C	1.5 mm ²	Copper conductor	12.1 Ω/km	21 mm
N2XY 5C Copper 2.5 mm ² PVC	5C	2.5 mm ²	Copper conductor	7.41 Ω/km	22 mm
N2XY 5C Copper 4 mm ² PVC	5C	4 mm ²	Copper conductor	4.61 Ω/km	23 mm
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