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UNIVERSAL CABLES · CHINA

CABLE TYPE DATASHEET

IEC 60502-2 · Rev 01 · 2026-06-27

24 sizes · sales@uecable.com

EUROPEAN LOW SMOKE MV CABLE

IEC 60502-2 | 24 orderable sizes

STANDARD	VOLTAGE CLASS	CONDUCTOR
IEC 60502-2	3.6/6 kV to 18/30 kV and customer-specified MV classes	Copper conductor
INSULATION / JACKET		
LSZH		

Construction

1. Conductor — Copper conductor · 37 × Ø2.03 mm · IEC 60228 cl.2
2. Conductor screen — Semi-conducting layer
3. Insulation — XLPE
4. Insulation screen — Semi-conducting layer
5. Metallic screen — Copper wire screen (CWS)
6. Sheath — LSZH

Size selection — all available cross-sections

Cable reference	Voltage class	Cross-section	Max DC resistance at 20 °C	Metallic screen	OD guide
N2XSH 6/10 kV Single core Copper 35 mm² LSZH	6/10 kV	35 mm²	0.524 Ω/km	16 mm² copper wire screen	32 mm
N2XSH 6/10 kV Single core Copper 70 mm² LSZH	6/10 kV	70 mm²	0.268 Ω/km	16 mm² copper wire screen	36 mm
N2XSH 6/10 kV Single core Copper 120 mm² LSZH	6/10 kV	120 mm²	0.153 Ω/km	16 mm² copper wire screen	41 mm
N2XSH 6/10 kV Single core Copper 185 mm² LSZH	6/10 kV	185 mm²	0.0991 Ω/km	25 mm² copper wire screen	45 mm
N2XSH 6/10 kV Single core Copper 300 mm² LSZH	6/10 kV	300 mm²	0.0601 Ω/km	25 mm² copper wire screen	51 mm
N2XSH 6/10 kV Single core Copper 500 mm² LSZH	6/10 kV	500 mm²	0.0366 Ω/km	35 mm² copper wire screen	60 mm
N2XSH 8.7/15 kV Single core Copper 50 mm² LSZH	8.7/15 kV	50 mm²	0.387 Ω/km	16 mm² copper wire screen	34 mm

Cable reference	Voltage class	Cross-section	Max DC resistance at 20 °C	Metallic screen	OD guide
N2XSH 8.7/15 kV Single core Copper 95 mm² LSZH	8.7/15 kV	95 mm²	0.193 Ω/km	16 mm² copper wire screen	39 mm
N2XSH 8.7/15 kV Single core Copper 150 mm² LSZH	8.7/15 kV	150 mm²	0.124 Ω/km	16 mm² copper wire screen	43 mm
N2XSH 8.7/15 kV Single core Copper 240 mm² LSZH	8.7/15 kV	240 mm²	0.0754 Ω/km	25 mm² copper wire screen	48 mm
N2XSH 8.7/15 kV Single core Copper 400 mm² LSZH	8.7/15 kV	400 mm²	0.0470 Ω/km	35 mm² copper wire screen	56 mm
N2XSH 8.7/15 kV Single core Copper 630 mm² LSZH	8.7/15 kV	630 mm²	0.0283 Ω/km	35 mm² copper wire screen	65 mm
N2XSH 12/20 kV Single core Copper 50 mm² LSZH	12/20 kV	50 mm²	0.387 Ω/km	16 mm² copper wire screen	37 mm
N2XSH 12/20 kV Single core Copper 95 mm² LSZH	12/20 kV	95 mm²	0.193 Ω/km	16 mm² copper wire screen	42 mm
N2XSH 12/20 kV Single core Copper 150 mm² LSZH	12/20 kV	150 mm²	0.124 Ω/km	16 mm² copper wire screen	46 mm
N2XSH 12/20 kV Single core Copper 240 mm² LSZH	12/20 kV	240 mm²	0.0754 Ω/km	25 mm² copper wire screen	51 mm
N2XSH 12/20 kV Single core Copper 400 mm² LSZH	12/20 kV	400 mm²	0.0470 Ω/km	35 mm² copper wire screen	59 mm
N2XSH 12/20 kV Single core Copper 630 mm² LSZH	12/20 kV	630 mm²	0.0283 Ω/km	35 mm² copper wire screen	68 mm
N2XSH 18/30 kV Single core Copper 70 mm² LSZH	18/30 kV	70 mm²	0.268 Ω/km	16 mm² copper wire screen	42 mm
N2XSH 18/30 kV Single core Copper 120 mm² LSZH	18/30 kV	120 mm²	0.153 Ω/km	16 mm² copper wire screen	47 mm
N2XSH 18/30 kV Single core Copper 185 mm² LSZH	18/30 kV	185 mm²	0.0991 Ω/km	25 mm² copper wire screen	51 mm
N2XSH 18/30 kV Single core Copper 300 mm² LSZH	18/30 kV	300 mm²	0.0601 Ω/km	25 mm² copper wire screen	57 mm
N2XSH 18/30 kV Single core Copper 500 mm² LSZH	18/30 kV	500 mm²	0.0366 Ω/km	35 mm² copper wire screen	66 mm
N2XSH 18/30 kV Single core Copper 630 mm² LSZH	18/30 kV	630 mm²	0.0283 Ω/km	35 mm² copper wire screen	71 mm