



COPPER WIRE BRAID SCREENED

EN 50288-7

4 orderable sizes

STANDARD EN 50288-7	VOLTAGE CLASS 300/500 V or 500 V application reference	CONDUCTOR 0.5 mm ² , 0.75 mm ² , 1.0 mm ² , 1.5 mm ² and customer- specified sizes
INSULATION / JACKET XLPE	CROSS-SECTION RANGE 1 pair	

Construction

- 1 ■ **Conductor (per core)** – Bare or tinned annealed copper conductor · 1 × Ø1.13 mm · IEC 60228 cl.1 / 2 / 5
- 2 ■ **Pair insulation** – XLPE
- 3 ■ **Filler** – Bedding / filler
- 4 ■ **Overall screen (OS)** – Al/polyester foil + drain
- 5 ■ **Sheath** – LSZH

Size selection — all available cross-sections

Cable reference	Pair / triple / core layout	Conductor size	Conductor class	Max DC resistance at 20 °C	Mutual capacitance	L/R ratio	OD guide	Weight guide
UEC-EN50288-7-XLPE-LSZH-CWB-SINGLE-PAIR-1PAIR-0P5MM2 1 pair 0.5 mm ²	1 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	8.3 mm	93 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-SINGLE-PAIR-1PAIR-0P75MM2 1 pair 0.75 mm ²	1 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	8.5 mm	98 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-SINGLE-PAIR-1PAIR-1P0MM2 1 pair 1.0 mm ²	1 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	115 pF/m guide	40 uH/ohm	8.6 mm	102 kg/km

Cable reference	Pair / triple / core layout	Conductor size	Conductor class	Max DC resistance at 20 °C	Mutual capacitance	L/R ratio	OD guide	Weight guide
UEC-EN50288-7-XLPE-LSZH-CWB-SINGLE-PAIR-1PAIR-1P5MM2 1 pair 1.5 mm ²	1 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	115 pF/m guide	40 uH/ohm	8.9 mm	111 kg/km

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