



COPPER WIRE BRAID SCREENED

EN 50288-7

28 orderable sizes

STANDARD EN 50288-7	VOLTAGE CLASS 300/500 V or 500 V application reference	CONDUCTOR 0.5 mm², 0.75 mm², 1.0 mm², 1.5 mm² and customer- specified sizes
INSULATION / JACKET XLPE	CROSS-SECTION RANGE 2 pair to 50 pair available range	

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-MULTIPAIR-2PAIR-0P5MM2 2 pair 0.5 mm ²	2 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	9.0 mm	105 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-2PAIR-0P75MM2 2 pair 0.75 mm ²	2 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	9.2 mm	114 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-2PAIR-1P0MM2 2 pair 1.0 mm ²	2 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	115 pF/m guide	40 uH/ohm	9.3 mm	123 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-MULTIPAIR-2PAIR-1P5MM2 2 pair 1.5 mm ²	2 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	115 pF/m guide	40 uH/ohm	9.6 mm	140 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-5PAIR-0P5MM2 5 pair 0.5 mm ²	5 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	10.3 mm	139 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-5PAIR-0P75MM2 5 pair 0.75 mm ²	5 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	10.5 mm	161 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-5PAIR-1P0MM2 5 pair 1.0 mm ²	5 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	10.6 mm	184 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-5PAIR-1P5MM2 5 pair 1.5 mm ²	5 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	10.9 mm	228 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-10PAIR-0P5MM2 10 pair 0.5 mm ²	10 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	11.8 mm	196 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-10PAIR-0P75MM2 10 pair 0.75 mm ²	10 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	12.0 mm	241 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-10PAIR-1P0MM2 10 pair 1.0 mm ²	10 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	12.1 mm	285 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-10PAIR-1P5MM2 10 pair 1.5 mm ²	10 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	12.4 mm	374 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-15PAIR-0P5MM2 15 pair 0.5 mm ²	15 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	13.0 mm	253 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
			/ 5 (flexible)					
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-15PAIR-0P75MM2 15 pair 0.75 mm ²	15 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	13.1 mm	320 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-15PAIR-1P0MM2 15 pair 1.0 mm ²	15 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	13.3 mm	387 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-15PAIR-1P5MM2 15 pair 1.5 mm ²	15 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	13.5 mm	520 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-20PAIR-0P5MM2 20 pair 0.5 mm ²	20 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	13.9 mm	310 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-20PAIR-0P75MM2 20 pair 0.75 mm ²	20 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	14.1 mm	399 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-20PAIR-1P0MM2 20 pair 1.0 mm ²	20 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	14.3 mm	488 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-20PAIR-1P5MM2 20 pair 1.5 mm ²	20 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	14.5 mm	666 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-30PAIR-0P5MM2 30 pair 0.5 mm ²	30 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	15.6 mm	424 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-30PAIR-0P75MM2 30 pair 0.75 mm ²	30 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	15.7 mm	558 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-MULTIPAIR-30PAIR-1P0MM2 30 pair 1.0 mm ²	30 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	15.9 mm	691 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-30PAIR-1P5MM2 30 pair 1.5 mm ²	30 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	16.1 mm	958 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-50PAIR-0P5MM2 50 pair 0.5 mm ²	50 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	18.1 mm	652 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-50PAIR-0P75MM2 50 pair 0.75 mm ²	50 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	18.3 mm	875 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-50PAIR-1P0MM2 50 pair 1.0 mm ²	50 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	18.5 mm	1097 kg/km
UEC-EN50288-7-XLPE-LSZH-CWB-MULTIPAIR-50PAIR-1P5MM2 50 pair 1.5 mm ²	50 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	18.7 mm	1542 kg/km