



OVERALL SCREENED ARMoured

EN 50288-7

28 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 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 ■ **Bedding** – PVC bedding
- 6 ■ **Armour** – Galvanised steel wire armour (SWA)
- 7 ■ **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-OS-SWA-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	11.7 mm	228 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	11.9 mm	237 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTIPAIR-	2 pair	1.0 mm ²	Class 1 (solid) / 2	19.7 Ω/km	115 pF/m guide	40 uH/ohm	12.0 mm	246 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
2PAIR-1P0MM2 2 pair 1.0 mm ²			(stranded) / 5 (flexible)					
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	12.3 mm	263 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	13.0 mm	262 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	13.2 mm	284 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	13.3 mm	307 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	13.6 mm	351 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	14.5 mm	319 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	14.7 mm	364 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	14.8 mm	408 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	15.1 mm	497 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-OS-SWA-MULTIPAIR-15PAIR-0P5MM2 15 pair 0.5 mm ²	15 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	15.7 mm	376 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	15.8 mm	443 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	16.0 mm	510 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	16.2 mm	643 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	16.6 mm	433 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	16.8 mm	522 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	17.0 mm	611 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	17.2 mm	789 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	18.3 mm	547 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTIPAIR-30PAIR-0P75MM2 30 pair 0.75 mm ²	30 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	18.4 mm	681 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-OS-SWA-MULTIPAIR-30PAIR-1P0MM2 30 pair 1.0 mm²	30 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	18.6 mm	814 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTIPAIR-30PAIR-1P5MM2 30 pair 1.5 mm²	30 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	18.8 mm	1081 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTIPAIR-50PAIR-0P5MM2 50 pair 0.5 mm²	50 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	20.8 mm	775 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTIPAIR-50PAIR-0P75MM2 50 pair 0.75 mm²	50 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	21.0 mm	998 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTIPAIR-50PAIR-1P0MM2 50 pair 1.0 mm²	50 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	21.2 mm	1220 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTIPAIR-50PAIR-1P5MM2 50 pair 1.5 mm²	50 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	21.4 mm	1665 kg/km