



INDIVIDUAL AND OVERALL 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 PE	CROSS-SECTION RANGE 2 triple to 24 triple available range	

Construction

- 1 **Conductor (per core)** – Bare or tinned annealed copper conductor · 1 × Ø1.13 mm · IEC 60228 cl.1 / 2 / 5
- 2 **Triad insulation** – PE
- 3 **Individual screen (IS)** – Al/polyester foil + tinned-copper drain
- 4 **Filler** – Bedding / filler
- 5 **Overall screen (OS)** – Al/polyester foil + drain
- 6 **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-PE-LSZH-IOS-MULTITRIIPLE-2TRIPLE-ØP5MM2 2 triple 0.5 mm ²	2 triple	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	75 pF/m guide	25 uH/ohm	9.4 mm	103 kg/km
UEC-EN50288-7-PE-LSZH-IOS-MULTITRIIPLE-2TRIPLE-ØP75MM2 2 triple 0.75 mm ²	2 triple	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	75 pF/m guide	25 uH/ohm	9.7 mm	116 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-PE-LSZH- IOS-MULTITRIPL- 2TRIPLE-1P0MM2 2 triple 1.0 mm ²	2 triple	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	85 pF/m guide	40 uH/ohm	9.8 mm	130 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 2TRIPLE-1P5MM2 2 triple 1.5 mm ²	2 triple	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	10.1 mm	157 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 4TRIPLE-0P5MM2 4 triple 0.5 mm ²	4 triple	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	75 pF/m guide	25 uH/ohm	10.3 mm	140 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 4TRIPLE-0P75MM2 4 triple 0.75 mm ²	4 triple	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	75 pF/m guide	25 uH/ohm	10.5 mm	167 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 4TRIPLE-1P0MM2 4 triple 1.0 mm ²	4 triple	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	85 pF/m guide	40 uH/ohm	10.7 mm	194 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 4TRIPLE-1P5MM2 4 triple 1.5 mm ²	4 triple	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	11.0 mm	247 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 8TRIPLE-0P5MM2 8 triple 0.5 mm ²	8 triple	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	75 pF/m guide	25 uH/ohm	11.5 mm	214 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 8TRIPLE-0P75MM2 8 triple 0.75 mm ²	8 triple	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	75 pF/m guide	25 uH/ohm	11.8 mm	268 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 8TRIPLE-1P0MM2 8 triple 1.0 mm ²	8 triple	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	85 pF/m guide	40 uH/ohm	11.9 mm	321 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 8TRIPLE-1P5MM2 8 triple 1.5 mm ²	8 triple	1.5 mm ²	Class 1 (solid) / 2 (stranded)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	12.2 mm	428 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-PE-LSZH- IOS-MULTITRIPL- 12TRIPLE-0P5MM2 12 triple 0.5 mm²	12 triple	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	75 pF/m guide	25 uH/ohm	12.5 mm	289 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 12TRIPLE-0P75MM2 12 triple 0.75 mm²	12 triple	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	75 pF/m guide	25 uH/ohm	12.7 mm	369 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 12TRIPLE-1P0MM2 12 triple 1.0 mm²	12 triple	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	85 pF/m guide	40 uH/ohm	12.9 mm	449 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 12TRIPLE-1P5MM2 12 triple 1.5 mm²	12 triple	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	13.2 mm	609 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 16TRIPLE-0P5MM2 16 triple 0.5 mm²	16 triple	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	75 pF/m guide	25 uH/ohm	13.3 mm	363 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 16TRIPLE-0P75MM2 16 triple 0.75 mm²	16 triple	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	75 pF/m guide	25 uH/ohm	13.5 mm	470 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 16TRIPLE-1P0MM2 16 triple 1.0 mm²	16 triple	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	85 pF/m guide	40 uH/ohm	13.7 mm	576 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 16TRIPLE-1P5MM2 16 triple 1.5 mm²	16 triple	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	14.0 mm	790 kg/km
UEC-EN50288-7-PE-LSZH- IOS-MULTITRIPL- 20TRIPLE-0P5MM2 20 triple 0.5 mm²	20 triple	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	75 pF/m guide	25 uH/ohm	14.0 mm	437 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-PE-LSZH-IOS-MULTITRIPL-20TRIPLE-0P75MM2 20 triple 0.75 mm ²	20 triple	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	75 pF/m guide	25 uH/ohm	14.2 mm	571 kg/km
UEC-EN50288-7-PE-LSZH-IOS-MULTITRIPL-20TRIPLE-1P0MM2 20 triple 1.0 mm ²	20 triple	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	85 pF/m guide	40 uH/ohm	14.4 mm	704 kg/km
UEC-EN50288-7-PE-LSZH-IOS-MULTITRIPL-20TRIPLE-1P5MM2 20 triple 1.5 mm ²	20 triple	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	14.7 mm	971 kg/km
UEC-EN50288-7-PE-LSZH-IOS-MULTITRIPL-24TRIPLE-0P5MM2 24 triple 0.5 mm ²	24 triple	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	75 pF/m guide	25 uH/ohm	14.6 mm	511 kg/km
UEC-EN50288-7-PE-LSZH-IOS-MULTITRIPL-24TRIPLE-0P75MM2 24 triple 0.75 mm ²	24 triple	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	75 pF/m guide	25 uH/ohm	14.8 mm	671 kg/km
UEC-EN50288-7-PE-LSZH-IOS-MULTITRIPL-24TRIPLE-1P0MM2 24 triple 1.0 mm ²	24 triple	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	85 pF/m guide	40 uH/ohm	15.0 mm	832 kg/km
UEC-EN50288-7-PE-LSZH-IOS-MULTITRIPL-24TRIPLE-1P5MM2 24 triple 1.5 mm ²	24 triple	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	15.3 mm	1152 kg/km