



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 ■ 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-PE-LSZH-OS-MULTITRIIPLE-2TRIPLE-0P5MM2 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	8.6 mm	92 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIIPLE-2TRIPLE-0P75MM2 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	8.9 mm	105 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIIPLE-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	9.0 mm	118 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-OS-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	9.3 mm	145 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	9.5 mm	123 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	9.7 mm	150 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	9.9 mm	177 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	10.2 mm	230 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	10.7 mm	187 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	11.0 mm	240 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	11.1 mm	294 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIPL-8TRIPLE-1P5MM2 8 triple 1.5 mm ²	8 triple	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	11.4 mm	400 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIPL-12TRIPLE-0P5MM2 12 triple 0.5 mm ²	12 triple	0.5 mm ²	Class 1 (solid) / 2 (stranded)	39.39 Ω/km	75 pF/m guide	25 uH/ohm	11.7 mm	250 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-OS-MULTITRIIPLE-12TRIPLE-0P75MM2 12 triple 0.75 mm ²	12 triple	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	75 pF/m guide	25 uH/ohm	11.9 mm	330 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIIPLE-12TRIPLE-1P0MM2 12 triple 1.0 mm ²	12 triple	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	85 pF/m guide	40 uH/ohm	12.1 mm	410 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIIPLE-12TRIPLE-1P5MM2 12 triple 1.5 mm ²	12 triple	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	12.4 mm	571 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIIPLE-16TRIPLE-0P5MM2 16 triple 0.5 mm ²	16 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	314 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIIPLE-16TRIPLE-0P75MM2 16 triple 0.75 mm ²	16 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	420 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIIPLE-16TRIPLE-1P0MM2 16 triple 1.0 mm ²	16 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	527 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIIPLE-16TRIPLE-1P5MM2 16 triple 1.5 mm ²	16 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	741 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIIPLE-20TRIPLE-0P5MM2 20 triple 0.5 mm ²	20 triple	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	75 pF/m guide	25 uH/ohm	13.2 mm	377 kg/km
UEC-EN50288-7-PE-LSZH-OS-MULTITRIIPLE-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	13.4 mm	511 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-OS-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	13.6 mm	644 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	13.9 mm	911 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	13.8 mm	440 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	14.0 mm	601 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	14.2 mm	761 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	14.5 mm	1081 kg/km