



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 mm ² , 0.75 mm ² , 1.0 mm ² , 1.5 mm ² and customer- specified sizes
INSULATION / JACKET PVC	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 ■ Triad insulation – XLPE
- 3 ■ Individual screen (IS) – Al/polyester foil + tinned-copper drain
- 4 ■ Filler – Bedding / filler
- 5 ■ Overall screen (OS) – Al/polyester foil + drain
- 6 ■ Sheath – PVC

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-PVC-IOS-MULTITRIPLE-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	9.3 mm	99 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPLE-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	9.5 mm	112 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-PVC-IOS-MULTITRIPLE-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	9.7 mm	126 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPLE-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	10.0 mm	153 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPLE-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	10.2 mm	136 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPLE-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	10.4 mm	163 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPLE-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	10.6 mm	190 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPLE-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	10.9 mm	243 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPLE-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	11.4 mm	210 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPLE-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	11.6 mm	264 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPLE-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	11.8 mm	317 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPLE-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	12.1 mm	424 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-PVC-IOS-MULTITRIPL-12TRIPLE-0P5MM2 12 triple 0.5 mm ²	12 triple	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	75 pF/m guide	25 uH/ohm	12.3 mm	285 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPL-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	12.5 mm	365 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPL-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	12.7 mm	445 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPL-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	13.0 mm	605 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPL-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	13.1 mm	359 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPL-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	13.3 mm	466 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPL-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	13.5 mm	572 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPL-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	13.8 mm	786 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIPL-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	13.8 mm	433 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-PVC-IOS-MULTITRIANGLE-20TRIANGLE-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	14.0 mm	567 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIANGLE-20TRIANGLE-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	14.2 mm	700 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIANGLE-20TRIANGLE-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	14.5 mm	967 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIANGLE-24TRIANGLE-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	14.5 mm	507 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIANGLE-24TRIANGLE-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	14.7 mm	667 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIANGLE-24TRIANGLE-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	14.9 mm	828 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-MULTITRIANGLE-24TRIANGLE-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	15.2 mm	1148 kg/km