



### INDIVIDUAL AND OVERALL SCREENED

EN 50288-7

28 orderable sizes

STANDARD <b>EN 50288-7</b>	VOLTAGE CLASS <b>300/500 V or 500 V application reference</b>	CONDUCTOR <b>0.5 mm<sup>2</sup>, 0.75 mm<sup>2</sup>, 1.0 mm<sup>2</sup>, 1.5 mm<sup>2</sup> and customer- specified sizes</b>
INSULATION / JACKET <b>XLPE</b>	CROSS-SECTION RANGE <b>2 triple to 24 triple available range</b>	

### Construction

- 1 ■ Conductor (per core) – Bare or tinned annealed copper conductor · 1 × Ø1.13 mm · IEC 60228 cl.1 / 2 / 5
- 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 – 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-IOS-MULTITRIIPLE-2TRIPLE-ØP5MM2 2 triple 0.5 mm <sup>2</sup>	2 triple	0.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIIPLE-2TRIPLE-ØP75MM2 2 triple 0.75 mm <sup>2</sup>	2 triple	0.75 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-2TRIPLE-1P0MM2 2 triple 1.0 mm <sup>2</sup>	2 triple	1.0 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-2TRIPLE-1P5MM2 2 triple 1.5 mm <sup>2</sup>	2 triple	1.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-4TRIPLE-0P5MM2 4 triple 0.5 mm <sup>2</sup>	4 triple	0.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-4TRIPLE-0P75MM2 4 triple 0.75 mm <sup>2</sup>	4 triple	0.75 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-4TRIPLE-1P0MM2 4 triple 1.0 mm <sup>2</sup>	4 triple	1.0 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-4TRIPLE-1P5MM2 4 triple 1.5 mm <sup>2</sup>	4 triple	1.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-8TRIPLE-0P5MM2 8 triple 0.5 mm <sup>2</sup>	8 triple	0.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-8TRIPLE-0P75MM2 8 triple 0.75 mm <sup>2</sup>	8 triple	0.75 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-8TRIPLE-1P0MM2 8 triple 1.0 mm <sup>2</sup>	8 triple	1.0 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-8TRIPLE-1P5MM2 8 triple 1.5 mm <sup>2</sup>	8 triple	1.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIIPLE-12TRIPLE-0P5MM2 12 triple 0.5 mm <sup>2</sup>	12 triple	0.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIIPLE-12TRIPLE-0P75MM2 12 triple 0.75 mm <sup>2</sup>	12 triple	0.75 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIIPLE-12TRIPLE-1P0MM2 12 triple 1.0 mm <sup>2</sup>	12 triple	1.0 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIIPLE-12TRIPLE-1P5MM2 12 triple 1.5 mm <sup>2</sup>	12 triple	1.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIIPLE-16TRIPLE-0P5MM2 16 triple 0.5 mm <sup>2</sup>	16 triple	0.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIIPLE-16TRIPLE-0P75MM2 16 triple 0.75 mm <sup>2</sup>	16 triple	0.75 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIIPLE-16TRIPLE-1P0MM2 16 triple 1.0 mm <sup>2</sup>	16 triple	1.0 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIIPLE-16TRIPLE-1P5MM2 16 triple 1.5 mm <sup>2</sup>	16 triple	1.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIIPLE-20TRIPLE-0P5MM2 20 triple 0.5 mm <sup>2</sup>	20 triple	0.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-20TRIPLE-0P75MM2 20 triple 0.75 mm <sup>2</sup>	20 triple	0.75 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-20TRIPLE-1P0MM2 20 triple 1.0 mm <sup>2</sup>	20 triple	1.0 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-20TRIPLE-1P5MM2 20 triple 1.5 mm <sup>2</sup>	20 triple	1.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-24TRIPLE-0P5MM2 24 triple 0.5 mm <sup>2</sup>	24 triple	0.5 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-24TRIPLE-0P75MM2 24 triple 0.75 mm <sup>2</sup>	24 triple	0.75 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-24TRIPLE-1P0MM2 24 triple 1.0 mm <sup>2</sup>	24 triple	1.0 mm <sup>2</sup>	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-XLPE-LSZH-IOS-MULTITRIPL-24TRIPLE-1P5MM2 24 triple 1.5 mm <sup>2</sup>	24 triple	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	15.3 mm	1152 kg/km