



## INDIVIDUAL AND OVERALL SCREENED ARMoured

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 pair to 50 pair 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 ■ Pair 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 ■ Bedding – PVC bedding
- 7 ■ Armour – Galvanised steel wire armour (SWA)
- 8 ■ 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-SWA-MULTIPAIR-2PAIR-ØP5MM2 2 pair 0.5 mm <sup>2</sup>	2 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	12.5 mm	239 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-2PAIR-ØP75MM2 2 pair 0.75 mm <sup>2</sup>	2 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	12.7 mm	248 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-SWA-MULTIPAIR-2PAIR-1P0MM2 2 pair 1.0 mm <sup>2</sup>	2 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	115 pF/m guide	40 uH/ohm	12.8 mm	257 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-2PAIR-1P5MM2 2 pair 1.5 mm <sup>2</sup>	2 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	115 pF/m guide	40 uH/ohm	13.1 mm	275 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-5PAIR-0P5MM2 5 pair 0.5 mm <sup>2</sup>	5 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	13.8 mm	282 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-5PAIR-0P75MM2 5 pair 0.75 mm <sup>2</sup>	5 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	14.0 mm	304 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-5PAIR-1P0MM2 5 pair 1.0 mm <sup>2</sup>	5 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	14.1 mm	326 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-5PAIR-1P5MM2 5 pair 1.5 mm <sup>2</sup>	5 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	14.4 mm	371 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-10PAIR-0P5MM2 10 pair 0.5 mm <sup>2</sup>	10 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	15.3 mm	352 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-10PAIR-0P75MM2 10 pair 0.75 mm <sup>2</sup>	10 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	15.5 mm	397 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-10PAIR-1P0MM2 10 pair 1.0 mm <sup>2</sup>	10 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	15.6 mm	441 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-10PAIR-1P5MM2 10 pair 1.5 mm <sup>2</sup>	10 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	15.9 mm	530 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-SWA-MULTIPAIR-15PAIR-0P5MM2 15 pair 0.5 mm <sup>2</sup>	15 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	16.5 mm	423 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-15PAIR-0P75MM2 15 pair 0.75 mm <sup>2</sup>	15 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	16.6 mm	489 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-15PAIR-1P0MM2 15 pair 1.0 mm <sup>2</sup>	15 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	16.8 mm	556 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-15PAIR-1P5MM2 15 pair 1.5 mm <sup>2</sup>	15 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	17.0 mm	690 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-20PAIR-0P5MM2 20 pair 0.5 mm <sup>2</sup>	20 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	17.4 mm	493 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-20PAIR-0P75MM2 20 pair 0.75 mm <sup>2</sup>	20 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	17.6 mm	582 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-20PAIR-1P0MM2 20 pair 1.0 mm <sup>2</sup>	20 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	17.8 mm	671 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-20PAIR-1P5MM2 20 pair 1.5 mm <sup>2</sup>	20 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	18.0 mm	849 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-30PAIR-0P5MM2 30 pair 0.5 mm <sup>2</sup>	30 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	19.1 mm	634 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-SWA-MULTIPAIR-30PAIR-0P75MM2 30 pair 0.75 mm <sup>2</sup>	30 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	19.2 mm	768 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-30PAIR-1P0MM2 30 pair 1.0 mm <sup>2</sup>	30 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	19.4 mm	901 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-30PAIR-1P5MM2 30 pair 1.5 mm <sup>2</sup>	30 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	19.6 mm	1168 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-50PAIR-0P5MM2 50 pair 0.5 mm <sup>2</sup>	50 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	21.6 mm	916 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-50PAIR-0P75MM2 50 pair 0.75 mm <sup>2</sup>	50 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	21.8 mm	1139 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-50PAIR-1P0MM2 50 pair 1.0 mm <sup>2</sup>	50 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	22.0 mm	1361 kg/km
UEC-EN50288-7-XLPE-LSZH-IOS-SWA-MULTIPAIR-50PAIR-1P5MM2 50 pair 1.5 mm <sup>2</sup>	50 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	22.2 mm	1806 kg/km