



## 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 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 ■ Filler – Bedding / filler
- 4 ■ Overall screen (OS) – Al/polyester foil + drain
- 5 ■ Bedding – PVC bedding
- 6 ■ Armour – Galvanised steel wire armour (SWA)
- 7 ■ 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-OS-SWA-MULTITRIPLE-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	11.8 mm	237 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIPLE-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	12.1 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
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	12.2 mm	263 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	12.5 mm	290 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	12.7 mm	268 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	12.9 mm	295 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	13.1 mm	322 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	13.4 mm	375 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	13.9 mm	332 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	14.2 mm	385 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-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	14.3 mm	439 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIPL-8TRIPLE-	8 triple	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	14.6 mm	545 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
<b>1P5MM2 8 triple</b> 1.5 mm <sup>2</sup>			/ 5 (flexible)					
<b>UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIIPLE-12TRIIPLE-0P5MM2 12 triple</b> 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	14.9 mm	395 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIIPLE-12TRIIPLE-0P75MM2 12 triple</b> 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	15.1 mm	475 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIIPLE-12TRIIPLE-1P0MM2 12 triple</b> 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	15.3 mm	555 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIIPLE-12TRIIPLE-1P5MM2 12 triple</b> 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	15.6 mm	716 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIIPLE-16TRIIPLE-0P5MM2 16 triple</b> 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	15.7 mm	459 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIIPLE-16TRIIPLE-0P75MM2 16 triple</b> 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	15.9 mm	565 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIIPLE-16TRIIPLE-1P0MM2 16 triple</b> 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	16.1 mm	672 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIIPLE-16TRIIPLE-1P5MM2 16 triple</b> 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	16.4 mm	886 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIIPLE-20TRIIPLE-0P5MM2 20 triple</b> 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	16.4 mm	522 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-OS-SWA-MULTITRIPLER-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	16.6 mm	656 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIPLER-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	16.8 mm	789 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIPLER-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	17.1 mm	1056 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIPLER-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	17.0 mm	585 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIPLER-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	17.2 mm	746 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIPLER-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	17.4 mm	906 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-MULTITRIPLER-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	17.7 mm	1226 kg/km