



## OVERALL SCREENED ARMoured

EN 50288-7

4 orderable sizes

<b>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> 1 pair	

### 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 **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-SINGLE-PAIR-1PAIR-0P5MM2 1 pair 0.5 mm <sup>2</sup>	1 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	11.0 mm	216 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-SINGLE-PAIR-1PAIR-0P75MM2 1 pair 0.75 mm <sup>2</sup>	1 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	11.2 mm	221 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-SWA-SINGLE-	1 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded)	19.7 Ω/km	115 pF/m guide	40 uH/ohm	11.3 mm	225 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
PAIR-1PAIR-1P0MM2 1 pair 1.0 mm <sup>2</sup>			/ 5 (flexible)					
UEC-EN50288-7-XLPE-LSZH-OS-SWA-SINGLE-PAIR-1PAIR-1P5MM2 1 pair 1.5 mm <sup>2</sup>	1 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	11.6 mm	234 kg/km

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