



### OVERALL SCREENED ARMoured

EN 50288-7

4 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>PE</b>	CROSS-SECTION RANGE <b>1 pair</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 – PE
- 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-PE-LSZH-OS-SWA-SINGLE-PAIR-1PAIR-ØP5MM2 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-PE-LSZH-OS-SWA-SINGLE-PAIR-1PAIR-ØP75MM2 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-PE-LSZH-OS-SWA-SINGLE-PAIR-	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
1PAIR-1P0MM2 1 pair 1.0 mm <sup>2</sup>			/ 5 (flexible)					
UEC-EN50288-7-PE-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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