



## 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>PVC</b>	CROSS-SECTION RANGE <b>1 triple</b>	

### Construction

- 1 ■ Conductor (per core) – Bare or tinned annealed copper conductor · 1 × Ø1.13 mm · IEC 60228 cl.1
- 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 – PVC

### 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-PVC-OS-SWA-SINGLE-TRIPLE-1TRIPLE-0P5MM2 1 triple 0.5 mm <sup>2</sup>	1 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	11.1 mm	217 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-SINGLE-TRIPLE-1TRIPLE-0P75MM2 1 triple 0.75 mm <sup>2</sup>	1 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	11.3 mm	224 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-PVC-0S-SWA-SINGLE-TRIPLE-1TRIPLE-1P0MM2 1 triple 1.0 mm <sup>2</sup>	1 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	11.5 mm	230 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-SINGLE-TRIPLE-1TRIPLE-1P5MM2 1 triple 1.5 mm <sup>2</sup>	1 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	11.8 mm	244 kg/km

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