



## 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>PVC</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 ■ 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-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	11.7 mm	233 kg/km
UEC-EN50288-7-XLPE-PVC-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	11.9 mm	246 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIPLE-2TRIPLE-	2 triple	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded)	19.7 Ω/km	85 pF/m guide	40 uH/ohm	12.1 mm	259 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>1P0MM2 2 triple</b> 1.0 mm <sup>2</sup>			/ 5 (flexible)					
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIIPLE-2TRIPLE-1P5MM2 2 triple</b> 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	12.4 mm	286 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIIPLE-4TRIPLE-0P5MM2 4 triple</b> 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	12.6 mm	264 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIIPLE-4TRIPLE-0P75MM2 4 triple</b> 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	12.8 mm	291 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIIPLE-4TRIPLE-1P0MM2 4 triple</b> 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	13.0 mm	318 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIIPLE-4TRIPLE-1P5MM2 4 triple</b> 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	13.3 mm	371 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIIPLE-8TRIPLE-0P5MM2 8 triple</b> 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	13.8 mm	328 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIIPLE-8TRIPLE-0P75MM2 8 triple</b> 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	14.0 mm	381 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIIPLE-8TRIPLE-1P0MM2 8 triple</b> 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	14.2 mm	435 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIIPLE-8TRIPLE-1P5MM2 8 triple</b> 1.5 mm <sup>2</sup>	8 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	14.5 mm	541 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-OS-SWA-MULTITRIPLER-12TRIPLE-0P5MM2 12 triple 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	14.7 mm	391 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIPLER-12TRIPLE-0P75MM2 12 triple 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	14.9 mm	471 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIPLER-12TRIPLE-1P0MM2 12 triple 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	15.1 mm	551 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIPLER-12TRIPLE-1P5MM2 12 triple 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	15.4 mm	712 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIPLER-16TRIPLE-0P5MM2 16 triple 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	15.5 mm	455 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIPLER-16TRIPLE-0P75MM2 16 triple 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	15.7 mm	561 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIPLER-16TRIPLE-1P0MM2 16 triple 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	15.9 mm	668 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIPLER-16TRIPLE-1P5MM2 16 triple 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	16.2 mm	882 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIPLER-20TRIPLE-0P5MM2 20 triple 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	16.2 mm	518 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIPLER-20TRIPLE-	20 triple	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded)	26.8 Ω/km	75 pF/m guide	25 uH/ohm	16.4 mm	652 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>ØP75MM2 20 triple 0.75 mm<sup>2</sup></b>			/ 5 (flexible)					
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIANGLE-20TRIANGLE-1P0MM2 20 triple 1.0 mm<sup>2</sup></b>	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	16.6 mm	785 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIANGLE-20TRIANGLE-1P5MM2 20 triple 1.5 mm<sup>2</sup></b>	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	16.9 mm	1052 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIANGLE-24TRIANGLE-ØP5MM2 24 triple 0.5 mm<sup>2</sup></b>	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	16.9 mm	581 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIANGLE-24TRIANGLE-ØP75MM2 24 triple 0.75 mm<sup>2</sup></b>	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	17.1 mm	742 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIANGLE-24TRIANGLE-1P0MM2 24 triple 1.0 mm<sup>2</sup></b>	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	17.3 mm	902 kg/km
<b>UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTITRIANGLE-24TRIANGLE-1P5MM2 24 triple 1.5 mm<sup>2</sup></b>	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	17.6 mm	1222 kg/km