



## INDIVIDUAL AND OVERALL SCREENED ARMoured

EN 50288-7

28 orderable sizes

STANDARD EN 50288-7	VOLTAGE CLASS 300/500 V or 500 V application reference	CONDUCTOR 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
INSULATION / JACKET PVC	CROSS-SECTION RANGE 2 triple to 24 triple available range	

### Construction

- 1 ■ Conductor (per core) – Bare or tinned annealed copper conductor · 1 × Ø1.13 mm · IEC 60228 cl.1
- 2 ■ Triad insulation – PE
- 3 ■ Individual screen (IS) – Al/polyester foil + tinned-copper drain
- 4 ■ Filler – Bedding / filler
- 5 ■ Overall screen (OS) – Al/polyester foil + drain
- 6 ■ Bedding – PVC bedding
- 7 ■ Armour – Galvanised steel wire armour (SWA)
- 8 ■ 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-PE-PVC-IOS-SWA-MULTITRIUPLE-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	12.5 mm	244 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIUPLE-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	12.7 mm	257 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-PE-PVC-IOS-SWA-MULTITRIPLE-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	12.9 mm	271 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPLE-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	13.2 mm	298 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPLE-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	13.4 mm	281 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPLE-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	13.6 mm	308 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPLE-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	13.8 mm	335 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPLE-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	14.1 mm	388 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPLE-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	14.6 mm	355 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPLE-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	14.8 mm	409 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPLE-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	15.0 mm	462 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPLE-8TRIPLE-1P5MM2 8 triple 1.5 mm <sup>2</sup>	8 triple	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded)	13.43 Ω/km	85 pF/m guide	40 uH/ohm	15.3 mm	569 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
			/ 5 (flexible)					
UEC-EN50288-7-PE-PVC- IOS-SWA-MULTITRIPL E-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	15.5 mm	430 kg/km
UEC-EN50288-7-PE-PVC- IOS-SWA-MULTITRIPL E-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	15.7 mm	510 kg/km
UEC-EN50288-7-PE-PVC- IOS-SWA-MULTITRIPL E-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	15.9 mm	590 kg/km
UEC-EN50288-7-PE-PVC- IOS-SWA-MULTITRIPL E-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	16.2 mm	750 kg/km
UEC-EN50288-7-PE-PVC- IOS-SWA-MULTITRIPL E-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	16.3 mm	504 kg/km
UEC-EN50288-7-PE-PVC- IOS-SWA-MULTITRIPL E-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	16.5 mm	611 kg/km
UEC-EN50288-7-PE-PVC- IOS-SWA-MULTITRIPL E-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	16.7 mm	717 kg/km
UEC-EN50288-7-PE-PVC- IOS-SWA-MULTITRIPL E-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	17.0 mm	931 kg/km
UEC-EN50288-7-PE-PVC- IOS-SWA-MULTITRIPL E-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	17.0 mm	578 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-PE-PVC-IOS-SWA-MULTITRIPL-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	17.2 mm	712 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPL-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	17.4 mm	845 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPL-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	17.7 mm	1112 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPL-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	17.7 mm	652 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPL-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	17.9 mm	812 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPL-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	18.1 mm	973 kg/km
UEC-EN50288-7-PE-PVC-IOS-SWA-MULTITRIPL-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	18.4 mm	1293 kg/km