



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 mm², 0.75 mm², 1.0 mm², 1.5 mm² and customer- specified sizes
INSULATION / JACKET PVC	CROSS-SECTION RANGE 2 pair to 50 pair available range	

Construction

- 1 ■ Conductor (per core) – Bare or tinned annealed copper conductor · 1 × Ø1.13 mm · IEC 60228 cl.1
- 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 – 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-MULTIPAIR-2PAIR-0P5MM2 2 pair 0.5 mm ²	2 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	11.5 mm	224 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-2PAIR-0P75MM2 2 pair 0.75 mm ²	2 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	11.7 mm	233 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-	2 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded)	19.7 Ω/km	115 pF/m guide	40 uH/ohm	11.9 mm	242 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
2PAIR-1P0MM2 2 pair 1.0 mm ²			/ 5 (flexible)					
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-2PAIR-1P5MM2 2 pair 1.5 mm ²	2 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	115 pF/m guide	40 uH/ohm	12.1 mm	259 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-5PAIR-0P5MM2 5 pair 0.5 mm ²	5 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	12.9 mm	258 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-5PAIR-0P75MM2 5 pair 0.75 mm ²	5 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	13.0 mm	280 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-5PAIR-1P0MM2 5 pair 1.0 mm ²	5 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	13.2 mm	303 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-5PAIR-1P5MM2 5 pair 1.5 mm ²	5 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	13.4 mm	347 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-10PAIR-0P5MM2 10 pair 0.5 mm ²	10 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	14.4 mm	315 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-10PAIR-0P75MM2 10 pair 0.75 mm ²	10 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	14.5 mm	360 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-10PAIR-1P0MM2 10 pair 1.0 mm ²	10 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	14.7 mm	404 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-10PAIR-1P5MM2 10 pair 1.5 mm ²	10 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	14.9 mm	493 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-MULTIPAIR-15PAIR-0P5MM2 15 pair 0.5 mm ²	15 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	15.5 mm	372 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-15PAIR-0P75MM2 15 pair 0.75 mm ²	15 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	15.7 mm	439 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-15PAIR-1P0MM2 15 pair 1.0 mm ²	15 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	15.8 mm	506 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-15PAIR-1P5MM2 15 pair 1.5 mm ²	15 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	16.1 mm	639 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-20PAIR-0P5MM2 20 pair 0.5 mm ²	20 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	16.5 mm	429 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-20PAIR-0P75MM2 20 pair 0.75 mm ²	20 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	16.7 mm	518 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-20PAIR-1P0MM2 20 pair 1.0 mm ²	20 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	16.8 mm	607 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-20PAIR-1P5MM2 20 pair 1.5 mm ²	20 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	17.1 mm	785 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-30PAIR-0P5MM2 30 pair 0.5 mm ²	30 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	18.1 mm	543 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-30PAIR-0P75MM2 30 pair 0.75 mm ²	30 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	18.3 mm	677 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-XLPE-PVC-OS-SWA-MULTIPAIR-30PAIR-1P0MM2 30 pair 1.0 mm²	30 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	18.4 mm	810 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-30PAIR-1P5MM2 30 pair 1.5 mm²	30 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	18.7 mm	1077 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-50PAIR-0P5MM2 50 pair 0.5 mm²	50 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	20.7 mm	771 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-50PAIR-0P75MM2 50 pair 0.75 mm²	50 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	20.9 mm	994 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-50PAIR-1P0MM2 50 pair 1.0 mm²	50 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	21.0 mm	1216 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTIPAIR-50PAIR-1P5MM2 50 pair 1.5 mm²	50 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	21.3 mm	1661 kg/km