



INDIVIDUAL AND OVERALL SCREENED DOUBLE STEEL TAPE 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 ² , 0.75 mm ² , 1.0 mm ² , 1.5 mm ² 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 ■ 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-XLPE-PVC-IO5-DSTA-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	12.3 mm	205 kg/km
UEC-EN50288-7-XLPE-PVC-IO5-DSTA-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	12.5 mm	214 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-IOS-DSTA-SWA-MULTIPAIR-2PAIR-1P0MM2 2 pair 1.0 mm ²	2 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	115 pF/m guide	40 uH/ohm	12.7 mm	223 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	12.9 mm	241 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	13.7 mm	248 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	13.8 mm	270 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	14.0 mm	292 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	14.2 mm	337 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	15.2 mm	318 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	15.3 mm	363 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	15.5 mm	407 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-SWA-MULTIPAIR-10PAIR-1P5MM2 10 pair 1.5 mm ²	10 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	15.7 mm	496 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-IOS-DSTA-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	16.3 mm	389 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	16.5 mm	455 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	16.6 mm	522 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	16.9 mm	656 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	17.3 mm	459 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	17.5 mm	548 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	17.6 mm	637 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	17.9 mm	815 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-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	18.9 mm	600 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-IOS-DSTA-SWA-MULTIPAIR-30PAIR-0P75MM2 30 pair 0.75 mm ²	30 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	19.1 mm	734 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-SWA-MULTIPAIR-30PAIR-1P0MM2 30 pair 1.0 mm ²	30 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	19.2 mm	867 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-SWA-MULTIPAIR-30PAIR-1P5MM2 30 pair 1.5 mm ²	30 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	19.5 mm	1134 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-SWA-MULTIPAIR-50PAIR-0P5MM2 50 pair 0.5 mm ²	50 pair	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	21.5 mm	882 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-SWA-MULTIPAIR-50PAIR-0P75MM2 50 pair 0.75 mm ²	50 pair	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	21.7 mm	1105 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-SWA-MULTIPAIR-50PAIR-1P0MM2 50 pair 1.0 mm ²	50 pair	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	21.8 mm	1327 kg/km
UEC-EN50288-7-XLPE-PVC-IOS-DSTA-SWA-MULTIPAIR-50PAIR-1P5MM2 50 pair 1.5 mm ²	50 pair	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	22.1 mm	1772 kg/km