



## OVERALL SCREENED

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 pair to 50 pair available range</b>	

### Construction

- 1 ■ Conductor (per core) – Bare or tinned annealed copper conductor · 1 × Ø1.13 mm · IEC 60228 cl.1
- 2 ■ Pair insulation – PE
- 3 ■ Filler – Bedding / filler
- 4 ■ Overall screen (OS) – Al/polyester foil + drain
- 5 ■ 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-OS-MULTIPAIR-2PAIR-ØP5MM2 2 pair 0.5 mm <sup>2</sup>	2 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	8.3 mm	79 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-2PAIR-ØP75MM2 2 pair 0.75 mm <sup>2</sup>	2 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	8.5 mm	88 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-2PAIR-1PØMM2 2 pair 1.0 mm <sup>2</sup>	2 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	115 pF/m guide	40 uH/ohm	8.7 mm	97 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-OS-MULTIPAIR-2PAIR-1P5MM2 2 pair 1.5 mm <sup>2</sup>	2 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	115 pF/m guide	40 uH/ohm	8.9 mm	114 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-5PAIR-0P5MM2 5 pair 0.5 mm <sup>2</sup>	5 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	9.7 mm	113 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-5PAIR-0P75MM2 5 pair 0.75 mm <sup>2</sup>	5 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	9.8 mm	135 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-5PAIR-1P0MM2 5 pair 1.0 mm <sup>2</sup>	5 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	10.0 mm	158 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-5PAIR-1P5MM2 5 pair 1.5 mm <sup>2</sup>	5 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	10.2 mm	202 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-10PAIR-0P5MM2 10 pair 0.5 mm <sup>2</sup>	10 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	11.2 mm	170 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-10PAIR-0P75MM2 10 pair 0.75 mm <sup>2</sup>	10 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	11.3 mm	215 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-10PAIR-1P0MM2 10 pair 1.0 mm <sup>2</sup>	10 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	11.5 mm	259 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-10PAIR-1P5MM2 10 pair 1.5 mm <sup>2</sup>	10 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	11.7 mm	348 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-15PAIR-0P5MM2 15 pair 0.5 mm <sup>2</sup>	15 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	12.3 mm	227 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-OS-MULTIPAIR-15PAIR-0P75MM2 15 pair 0.75 mm <sup>2</sup>	15 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	12.5 mm	294 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-15PAIR-1P0MM2 15 pair 1.0 mm <sup>2</sup>	15 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	12.6 mm	361 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-15PAIR-1P5MM2 15 pair 1.5 mm <sup>2</sup>	15 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	12.9 mm	494 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-20PAIR-0P5MM2 20 pair 0.5 mm <sup>2</sup>	20 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	13.3 mm	284 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-20PAIR-0P75MM2 20 pair 0.75 mm <sup>2</sup>	20 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	13.5 mm	373 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-20PAIR-1P0MM2 20 pair 1.0 mm <sup>2</sup>	20 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	13.6 mm	462 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-20PAIR-1P5MM2 20 pair 1.5 mm <sup>2</sup>	20 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	13.9 mm	640 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-30PAIR-0P5MM2 30 pair 0.5 mm <sup>2</sup>	30 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	14.9 mm	398 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-30PAIR-0P75MM2 30 pair 0.75 mm <sup>2</sup>	30 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	15.1 mm	532 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-OS-MULTIPAIR-30PAIR-1P0MM2 30 pair 1.0 mm <sup>2</sup>	30 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	15.2 mm	665 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-30PAIR-1P5MM2 30 pair 1.5 mm <sup>2</sup>	30 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	15.5 mm	932 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-50PAIR-0P5MM2 50 pair 0.5 mm <sup>2</sup>	50 pair	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	115 pF/m guide	25 uH/ohm	17.5 mm	626 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-50PAIR-0P75MM2 50 pair 0.75 mm <sup>2</sup>	50 pair	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	115 pF/m guide	25 uH/ohm	17.7 mm	849 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-50PAIR-1P0MM2 50 pair 1.0 mm <sup>2</sup>	50 pair	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	120 pF/m guide	40 uH/ohm	17.8 mm	1071 kg/km
UEC-EN50288-7-PE-PVC-OS-MULTIPAIR-50PAIR-1P5MM2 50 pair 1.5 mm <sup>2</sup>	50 pair	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	120 pF/m guide	40 uH/ohm	18.1 mm	1516 kg/km