



OVERALL SCREENED

EN 50288-7

40 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 core to 48 core available range	

Construction

- 1 ■ **Conductor (per core)** – Bare or tinned annealed copper conductor · 1 × Ø0.8 mm · IEC 60228 cl.1
- 2 ■ **Core insulation** – XLPE
- 3 ■ **Filler** – PP filler
- 4 ■ **Shield** – Foil shield (B)
- 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-XLPE-PVC-0S-MULTICORE-2CORE-0P5MM2 2 core 0.5 mm ²	2 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	6.2 mm	70 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-2CORE-0P75MM2 2 core 0.75 mm ²	2 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	6.4 mm	74 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-2CORE-1P0MM2 2 core 1.0 mm ²	2 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	6.5 mm	79 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-MULTICORE-2CORE-1P5MM2 2 core 1.5 mm ²	2 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	6.7 mm	88 kg/km
UEC-EN50288-7-XLPE-PVC-OS-MULTICORE-3CORE-0P5MM2 3 core 0.5 mm ²	3 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	6.6 mm	77 kg/km
UEC-EN50288-7-XLPE-PVC-OS-MULTICORE-3CORE-0P75MM2 3 core 0.75 mm ²	3 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	6.7 mm	84 kg/km
UEC-EN50288-7-XLPE-PVC-OS-MULTICORE-3CORE-1P0MM2 3 core 1.0 mm ²	3 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	6.9 mm	90 kg/km
UEC-EN50288-7-XLPE-PVC-OS-MULTICORE-3CORE-1P5MM2 3 core 1.5 mm ²	3 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	7.1 mm	104 kg/km
UEC-EN50288-7-XLPE-PVC-OS-MULTICORE-4CORE-0P5MM2 4 core 0.5 mm ²	4 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	6.9 mm	84 kg/km
UEC-EN50288-7-XLPE-PVC-OS-MULTICORE-4CORE-0P75MM2 4 core 0.75 mm ²	4 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	7.0 mm	93 kg/km
UEC-EN50288-7-XLPE-PVC-OS-MULTICORE-4CORE-1P0MM2 4 core 1.0 mm ²	4 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	7.2 mm	102 kg/km
UEC-EN50288-7-XLPE-PVC-OS-MULTICORE-4CORE-1P5MM2 4 core 1.5 mm ²	4 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	7.4 mm	119 kg/km
UEC-EN50288-7-XLPE-PVC-OS-MULTICORE-6CORE-0P5MM2 6 core 0.5 mm ²	6 core	0.5 mm ²	Class 1 (solid) / 2 (stranded)	39.39 Ω/km	By core layup	25 uH/ohm	7.4 mm	98 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-0S-MULTICORE-6CORE-0P75MM2 6 core 0.75 mm ²	6 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	7.5 mm	111 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-6CORE-1P0MM2 6 core 1.0 mm ²	6 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	7.6 mm	124 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-6CORE-1P5MM2 6 core 1.5 mm ²	6 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	7.9 mm	151 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-8CORE-0P5MM2 8 core 0.5 mm ²	8 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	7.8 mm	112 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-8CORE-0P75MM2 8 core 0.75 mm ²	8 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	7.9 mm	129 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-8CORE-1P0MM2 8 core 1.0 mm ²	8 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	8.1 mm	147 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-8CORE-1P5MM2 8 core 1.5 mm ²	8 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	8.3 mm	183 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-12CORE-0P5MM2 12 core 0.5 mm ²	12 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	8.5 mm	139 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-12CORE-0P75MM2 12 core 0.75 mm ²	12 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	8.6 mm	166 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-0S-MULTICORE-12CORE-1P0MM2 12 core 1.0 mm ²	12 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	8.7 mm	193 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-12CORE-1P5MM2 12 core 1.5 mm ²	12 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	9.0 mm	246 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-18CORE-0P5MM2 18 core 0.5 mm ²	18 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	9.3 mm	181 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-18CORE-0P75MM2 18 core 0.75 mm ²	18 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	9.5 mm	221 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-18CORE-1P0MM2 18 core 1.0 mm ²	18 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	9.6 mm	261 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-18CORE-1P5MM2 18 core 1.5 mm ²	18 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	9.8 mm	341 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-24CORE-0P5MM2 24 core 0.5 mm ²	24 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	10.0 mm	223 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-24CORE-0P75MM2 24 core 0.75 mm ²	24 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	10.2 mm	276 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-24CORE-1P0MM2 24 core 1.0 mm ²	24 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	10.3 mm	330 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-24CORE-1P5MM2 24 core 1.5 mm ²	24 core	1.5 mm ²	Class 1 (solid) / 2 (stranded)	13.43 Ω/km	By core layup	40 uH/ohm	10.5 mm	436 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-0S-MULTICORE-36CORE-0P5MM2 36 core 0.5 mm²	36 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	11.2 mm	306 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-36CORE-0P75MM2 36 core 0.75 mm²	36 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	11.4 mm	386 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-36CORE-1P0MM2 36 core 1.0 mm²	36 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	11.5 mm	466 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-36CORE-1P5MM2 36 core 1.5 mm²	36 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	11.7 mm	627 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-48CORE-0P5MM2 48 core 0.5 mm²	48 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	12.2 mm	390 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-48CORE-0P75MM2 48 core 0.75 mm²	48 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	12.4 mm	496 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-48CORE-1P0MM2 48 core 1.0 mm²	48 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	12.5 mm	603 kg/km
UEC-EN50288-7-XLPE-PVC-0S-MULTICORE-48CORE-1P5MM2 48 core 1.5 mm²	48 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	12.7 mm	817 kg/km