



OVERALL SCREENED ARMoured

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 ■ **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-0S-SWA-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	9.4 mm	215 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-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	9.6 mm	219 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-MULTICORE-	2 core	1.0 mm ²	Class 1 (solid) / 2 (stranded)	19.7 Ω/km	By core layup	40 uH/ohm	9.7 mm	224 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
2CORE-1P0MM2 2 core 1.0 mm ²			/ 5 (flexible)					
UEC-EN50288-7-XLPE-PVC-0S-SWA-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	9.9 mm	233 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-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	9.8 mm	222 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-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	9.9 mm	229 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-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	10.1 mm	235 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-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	10.3 mm	249 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-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	10.1 mm	229 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-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	10.2 mm	238 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-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	10.4 mm	247 kg/km
UEC-EN50288-7-XLPE-PVC-0S-SWA-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	10.6 mm	264 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-MULTICORE-6CORE-0P5MM2 6 core 0.5 mm ²	6 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	10.6 mm	243 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-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	10.7 mm	256 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-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	10.8 mm	269 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-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	11.1 mm	296 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-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	11.0 mm	257 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-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	11.1 mm	274 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-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	11.3 mm	292 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-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	11.5 mm	328 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-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	11.7 mm	284 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-12CORE-0P75MM2 12 core 0.75 mm ²	12 core	0.75 mm ²	Class 1 (solid) / 2 (stranded)	26.8 Ω/km	By core layup	25 uH/ohm	11.8 mm	311 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-MULTICORE-12CORE-1P0MM2 12 core 1.0 mm²	12 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	11.9 mm	338 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-12CORE-1P5MM2 12 core 1.5 mm²	12 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	12.2 mm	391 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-18CORE-0P5MM2 18 core 0.5 mm²	18 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	12.5 mm	326 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-18CORE-0P75MM2 18 core 0.75 mm²	18 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	12.7 mm	366 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-18CORE-1P0MM2 18 core 1.0 mm²	18 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	12.8 mm	406 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-18CORE-1P5MM2 18 core 1.5 mm²	18 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	13.0 mm	486 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-24CORE-0P5MM2 24 core 0.5 mm²	24 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	13.2 mm	368 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-24CORE-0P75MM2 24 core 0.75 mm²	24 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	13.4 mm	421 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-24CORE-1P0MM2 24 core 1.0 mm²	24 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	13.5 mm	475 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-MULTICORE-24CORE-1P5MM2 24 core 1.5 mm ²	24 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	13.7 mm	581 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-36CORE-0P5MM2 36 core 0.5 mm ²	36 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	14.4 mm	451 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-36CORE-0P75MM2 36 core 0.75 mm ²	36 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	14.6 mm	531 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-36CORE-1P0MM2 36 core 1.0 mm ²	36 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	14.7 mm	611 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-36CORE-1P5MM2 36 core 1.5 mm ²	36 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	14.9 mm	772 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-48CORE-0P5MM2 48 core 0.5 mm ²	48 core	0.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	15.4 mm	535 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-48CORE-0P75MM2 48 core 0.75 mm ²	48 core	0.75 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	15.6 mm	641 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-48CORE-1P0MM2 48 core 1.0 mm ²	48 core	1.0 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	15.7 mm	748 kg/km
UEC-EN50288-7-XLPE-PVC-OS-SWA-MULTICORE-48CORE-1P5MM2 48 core 1.5 mm ²	48 core	1.5 mm ²	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	15.9 mm	962 kg/km