



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 mm², 0.75 mm², 1.0 mm², 1.5 mm² and customer-specified sizes
INSULATION / JACKET PE	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 / 5
- 2  **Core insulation** – PE
- 3  **Filler** – PP filler
- 4  **Shield** – Foil shield (B)
- 5  **Bedding** – PVC bedding
- 6  **Armour** – Galvanised steel wire armour (SWA)
- 7  **Sheath** – LSZH

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-LSZH-OS-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	9.6 mm	219 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	9.8 mm	223 kg/km
UEC-EN50288-7-PE-LSZH-OS-SWA-MULTICORE-	2 core	1.0 mm ²	Class 1 (solid) / 2	19.7 Ω/km	By core layup	40 uH/ohm	9.9 mm	228 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			(stranded) / 5 (flexible)					
UEC-EN50288-7-PE-LSZH-OS-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	10.1 mm	237 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	9.9 mm	226 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	10.1 mm	233 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	10.2 mm	239 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	10.4 mm	253 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	10.2 mm	233 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	10.4 mm	242 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	10.5 mm	251 kg/km
UEC-EN50288-7-PE-LSZH-OS-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	10.7 mm	268 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-LSZH-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	10.7 mm	247 kg/km
UEC-EN50288-7-PE-LSZH-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	10.9 mm	260 kg/km
UEC-EN50288-7-PE-LSZH-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	11.0 mm	273 kg/km
UEC-EN50288-7-PE-LSZH-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	11.2 mm	300 kg/km
UEC-EN50288-7-PE-LSZH-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	11.1 mm	261 kg/km
UEC-EN50288-7-PE-LSZH-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	11.3 mm	278 kg/km
UEC-EN50288-7-PE-LSZH-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	11.4 mm	296 kg/km
UEC-EN50288-7-PE-LSZH-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	11.6 mm	332 kg/km
UEC-EN50288-7-PE-LSZH-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	11.8 mm	288 kg/km
UEC-EN50288-7-PE-LSZH-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	12.0 mm	315 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-LSZH-OS-SWA-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	12.1 mm	342 kg/km
UEC-EN50288-7-PE-LSZH-OS-SWA-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	12.3 mm	395 kg/km
UEC-EN50288-7-PE-LSZH-OS-SWA-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	12.7 mm	330 kg/km
UEC-EN50288-7-PE-LSZH-OS-SWA-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	12.8 mm	370 kg/km
UEC-EN50288-7-PE-LSZH-OS-SWA-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	12.9 mm	410 kg/km
UEC-EN50288-7-PE-LSZH-OS-SWA-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	13.1 mm	490 kg/km
UEC-EN50288-7-PE-LSZH-OS-SWA-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	13.4 mm	372 kg/km
UEC-EN50288-7-PE-LSZH-OS-SWA-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	13.5 mm	425 kg/km
UEC-EN50288-7-PE-LSZH-OS-SWA-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	13.6 mm	479 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-LSZH-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	13.9 mm	585 kg/km
UEC-EN50288-7-PE-LSZH-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	14.6 mm	455 kg/km
UEC-EN50288-7-PE-LSZH-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	14.7 mm	535 kg/km
UEC-EN50288-7-PE-LSZH-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	14.8 mm	615 kg/km
UEC-EN50288-7-PE-LSZH-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	15.0 mm	776 kg/km
UEC-EN50288-7-PE-LSZH-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	15.6 mm	539 kg/km
UEC-EN50288-7-PE-LSZH-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	15.7 mm	645 kg/km
UEC-EN50288-7-PE-LSZH-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	15.8 mm	752 kg/km
UEC-EN50288-7-PE-LSZH-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	16.0 mm	966 kg/km