



### OVERALL SCREENED

EN 50288-7

40 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>XLPE</b>	CROSS-SECTION RANGE <b>2 core to 48 core available range</b>	

### Construction

- 1 ■ Conductor (per core) – Bare or tinned annealed copper conductor · 1 × Ø0.8 mm · IEC 60228 cl.1 / 2 / 5
- 2 ■ Core insulation – XLPE
- 3 ■ Filler – PP filler
- 4 ■ Shield – Foil shield (B)
- 5 ■ 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-XLPE-LSZH-OS-MULTICORE-2CORE-0P5MM2 2 core 0.5 mm <sup>2</sup>	2 core	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	6.4 mm	74 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-2CORE-0P75MM2 2 core 0.75 mm <sup>2</sup>	2 core	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	6.6 mm	78 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-2CORE-1P0MM2 2 core 1.0 mm <sup>2</sup>	2 core	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	6.7 mm	83 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-LSZH-OS-MULTICORE-2CORE-1P5MM2 2 core 1.5 mm <sup>2</sup>	2 core	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	6.9 mm	92 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-3CORE-0P5MM2 3 core 0.5 mm <sup>2</sup>	3 core	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	6.7 mm	81 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-3CORE-0P75MM2 3 core 0.75 mm <sup>2</sup>	3 core	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	6.9 mm	88 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-3CORE-1P0MM2 3 core 1.0 mm <sup>2</sup>	3 core	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	7.0 mm	94 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-3CORE-1P5MM2 3 core 1.5 mm <sup>2</sup>	3 core	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	7.2 mm	108 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-4CORE-0P5MM2 4 core 0.5 mm <sup>2</sup>	4 core	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	7.0 mm	88 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-4CORE-0P75MM2 4 core 0.75 mm <sup>2</sup>	4 core	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	7.2 mm	97 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-4CORE-1P0MM2 4 core 1.0 mm <sup>2</sup>	4 core	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	7.3 mm	106 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-4CORE-1P5MM2 4 core 1.5 mm <sup>2</sup>	4 core	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	7.5 mm	123 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-6CORE-0P5MM2 6 core 0.5 mm <sup>2</sup>	6 core	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded)	39.39 Ω/km	By core layup	25 uH/ohm	7.5 mm	102 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)					
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-6CORE-0P75MM2 6 core 0.75 mm<sup>2</sup></b>	6 core	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	7.7 mm	115 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-6CORE-1P0MM2 6 core 1.0 mm<sup>2</sup></b>	6 core	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	7.8 mm	128 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-6CORE-1P5MM2 6 core 1.5 mm<sup>2</sup></b>	6 core	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	8.0 mm	155 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-8CORE-0P5MM2 8 core 0.5 mm<sup>2</sup></b>	8 core	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	7.9 mm	116 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-8CORE-0P75MM2 8 core 0.75 mm<sup>2</sup></b>	8 core	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	8.1 mm	133 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-8CORE-1P0MM2 8 core 1.0 mm<sup>2</sup></b>	8 core	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	8.2 mm	151 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-8CORE-1P5MM2 8 core 1.5 mm<sup>2</sup></b>	8 core	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	8.4 mm	187 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-12CORE-0P5MM2 12 core 0.5 mm<sup>2</sup></b>	12 core	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	8.6 mm	143 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-12CORE-0P75MM2 12 core 0.75 mm<sup>2</sup></b>	12 core	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	8.8 mm	170 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-LSZH-OS-MULTICORE-12CORE-1P0MM2 12 core 1.0 mm <sup>2</sup>	12 core	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	8.9 mm	197 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-12CORE-1P5MM2 12 core 1.5 mm <sup>2</sup>	12 core	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	9.1 mm	250 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-18CORE-0P5MM2 18 core 0.5 mm <sup>2</sup>	18 core	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	9.5 mm	185 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-18CORE-0P75MM2 18 core 0.75 mm <sup>2</sup>	18 core	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	9.6 mm	225 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-18CORE-1P0MM2 18 core 1.0 mm <sup>2</sup>	18 core	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	9.7 mm	265 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-18CORE-1P5MM2 18 core 1.5 mm <sup>2</sup>	18 core	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	9.9 mm	345 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-24CORE-0P5MM2 24 core 0.5 mm <sup>2</sup>	24 core	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	10.2 mm	227 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-24CORE-0P75MM2 24 core 0.75 mm <sup>2</sup>	24 core	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	10.3 mm	280 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-24CORE-1P0MM2 24 core 1.0 mm <sup>2</sup>	24 core	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	10.4 mm	334 kg/km
UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-24CORE-1P5MM2 24 core 1.5 mm <sup>2</sup>	24 core	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded)	13.43 Ω/km	By core layup	40 uH/ohm	10.7 mm	440 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)					
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-36CORE-0P5MM2 36 core 0.5 mm<sup>2</sup></b>	36 core	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	11.4 mm	310 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-36CORE-0P75MM2 36 core 0.75 mm<sup>2</sup></b>	36 core	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	11.5 mm	390 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-36CORE-1P0MM2 36 core 1.0 mm<sup>2</sup></b>	36 core	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	11.6 mm	470 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-36CORE-1P5MM2 36 core 1.5 mm<sup>2</sup></b>	36 core	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	11.8 mm	631 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-48CORE-0P5MM2 48 core 0.5 mm<sup>2</sup></b>	48 core	0.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	39.39 Ω/km	By core layup	25 uH/ohm	12.4 mm	394 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-48CORE-0P75MM2 48 core 0.75 mm<sup>2</sup></b>	48 core	0.75 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	26.8 Ω/km	By core layup	25 uH/ohm	12.5 mm	500 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-48CORE-1P0MM2 48 core 1.0 mm<sup>2</sup></b>	48 core	1.0 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	19.7 Ω/km	By core layup	40 uH/ohm	12.6 mm	607 kg/km
<b>UEC-EN50288-7-XLPE-LSZH-OS-MULTICORE-48CORE-1P5MM2 48 core 1.5 mm<sup>2</sup></b>	48 core	1.5 mm <sup>2</sup>	Class 1 (solid) / 2 (stranded) / 5 (flexible)	13.43 Ω/km	By core layup	40 uH/ohm	12.8 mm	821 kg/km