



OVERALL SCREENED

EN 50288-7

4 orderable sizes

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|-----------------------------------|--|--|
| 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 PVC | CROSS-SECTION RANGE 1 pair | |

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-SINGLE-PAIR-1PAIR-ØP5MM2 1 pair 0.5 mm ² | 1 pair | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 115 pF/m guide | 25 uH/ohm | 7.7 mm | 67 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SINGLE-PAIR-1PAIR-ØP75MM2 1 pair 0.75 mm ² | 1 pair | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 115 pF/m guide | 25 uH/ohm | 7.8 mm | 72 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SINGLE-PAIR-1PAIR-1PØMM2 1 pair 1.0 mm ² | 1 pair | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 115 pF/m guide | 40 uH/ohm | 8.0 mm | 76 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-SINGLE-PAIR-1PAIR-1P5MM2 1 pair 1.5 mm ² | 1 pair | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 115 pF/m guide | 40 uH/ohm | 8.2 mm | 85 kg/km |

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