



OVERALL SCREENED

EN 50288-7

28 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 PVC | CROSS-SECTION RANGE 2 triple to 24 triple available range | |

Construction

- 1 ■ Conductor (per core) – Bare or tinned annealed copper conductor · 1 × Ø1.13 mm · IEC 60228 cl.1
- 2 ■ Triad insulation – XLPE
- 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-XLPE-PVC-OS-MULTITRIPLE-2TRIPLE-0P5MM2 2 triple 0.5 mm ² | 2 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 8.5 mm | 88 kg/km |
| UEC-EN50288-7-XLPE-PVC-OS-MULTITRIPLE-2TRIPLE-0P75MM2 2 triple 0.75 mm ² | 2 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 8.7 mm | 101 kg/km |
| UEC-EN50288-7-XLPE-PVC-OS-MULTITRIPLE-2TRIPLE-1P0MM2 2 triple 1.0 mm ² | 2 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 8.9 mm | 114 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-MULTITRIPLE-2TRIPLE-1P5MM2 2 triple 1.5 mm ² | 2 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 9.2 mm | 141 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-4TRIPLE-0P5MM2 4 triple 0.5 mm ² | 4 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 9.4 mm | 119 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-4TRIPLE-0P75MM2 4 triple 0.75 mm ² | 4 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 9.6 mm | 146 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-4TRIPLE-1P0MM2 4 triple 1.0 mm ² | 4 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 9.8 mm | 173 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-4TRIPLE-1P5MM2 4 triple 1.5 mm ² | 4 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 10.1 mm | 226 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-8TRIPLE-0P5MM2 8 triple 0.5 mm ² | 8 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 10.6 mm | 183 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-8TRIPLE-0P75MM2 8 triple 0.75 mm ² | 8 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 10.8 mm | 236 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-8TRIPLE-1P0MM2 8 triple 1.0 mm ² | 8 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 11.0 mm | 290 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-8TRIPLE-1P5MM2 8 triple 1.5 mm ² | 8 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 11.3 mm | 396 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-12TRIPLE-0P5MM2 12 triple 0.5 mm ² | 12 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 11.5 mm | 246 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-MULTITRIPLE-12TRIPLE-0P75MM2 12 triple 0.75 mm² | 12 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 11.7 mm | 326 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-12TRIPLE-1P0MM2 12 triple 1.0 mm² | 12 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 11.9 mm | 406 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-12TRIPLE-1P5MM2 12 triple 1.5 mm² | 12 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 12.2 mm | 567 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-16TRIPLE-0P5MM2 16 triple 0.5 mm² | 16 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 12.3 mm | 310 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-16TRIPLE-0P75MM2 16 triple 0.75 mm² | 16 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 12.5 mm | 416 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-16TRIPLE-1P0MM2 16 triple 1.0 mm² | 16 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 12.7 mm | 523 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-16TRIPLE-1P5MM2 16 triple 1.5 mm² | 16 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 13.0 mm | 737 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-20TRIPLE-0P5MM2 20 triple 0.5 mm² | 20 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 13.0 mm | 373 kg/km |
| UEC-EN50288-7-XLPE-PVC-0S-MULTITRIPLE-20TRIPLE-0P75MM2 20 triple 0.75 mm² | 20 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 13.2 mm | 507 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-MULTITRIPL-20TRIPLE-1P0MM2 20 triple 1.0 mm ² | 20 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 13.4 mm | 640 kg/km |
| UEC-EN50288-7-XLPE-PVC-OS-MULTITRIPL-20TRIPLE-1P5MM2 20 triple 1.5 mm ² | 20 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 13.7 mm | 907 kg/km |
| UEC-EN50288-7-XLPE-PVC-OS-MULTITRIPL-24TRIPLE-0P5MM2 24 triple 0.5 mm ² | 24 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 13.7 mm | 436 kg/km |
| UEC-EN50288-7-XLPE-PVC-OS-MULTITRIPL-24TRIPLE-0P75MM2 24 triple 0.75 mm ² | 24 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 13.9 mm | 597 kg/km |
| UEC-EN50288-7-XLPE-PVC-OS-MULTITRIPL-24TRIPLE-1P0MM2 24 triple 1.0 mm ² | 24 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 14.1 mm | 757 kg/km |
| UEC-EN50288-7-XLPE-PVC-OS-MULTITRIPL-24TRIPLE-1P5MM2 24 triple 1.5 mm ² | 24 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 14.4 mm | 1077 kg/km |