



OVERALL SCREENED ARMoured

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 – PE
- 3 ■ Filler – Bedding / filler
- 4 ■ Overall screen (OS) – Al/polyester foil + drain
- 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-PE-PVC-OS-SWA-MULTITRIPLE-2TRIPLE-ØP5MM2 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 | 11.7 mm | 233 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE-2TRIPLE-ØP75MM2 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 | 11.9 mm | 246 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE- | 2 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 12.1 mm | 259 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 |
|---|-----------------------------|----------------------|---|----------------------------|--------------------|-----------|----------|--------------|
| 2TRIPLE-1P0MM2 2 triple 1.0 mm ² | | | / 5 (flexible) | | | | | |
| UEC-EN50288-7-PE-PVC-OS-SWA-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 | 12.4 mm | 286 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-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 | 12.6 mm | 264 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-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 | 12.8 mm | 291 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-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 | 13.0 mm | 318 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-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 | 13.3 mm | 371 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-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 | 13.8 mm | 328 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-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 | 14.0 mm | 381 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-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 | 14.2 mm | 435 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-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 | 14.5 mm | 541 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-SWA-MULTITRIPLE-12TRIPLE-0P5MM2 12 triple 0.5 mm ² | 12 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 14.7 mm | 391 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE-12TRIPLE-0P75MM2 12 triple 0.75 mm ² | 12 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 14.9 mm | 471 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE-12TRIPLE-1P0MM2 12 triple 1.0 mm ² | 12 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 15.1 mm | 551 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE-12TRIPLE-1P5MM2 12 triple 1.5 mm ² | 12 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 15.4 mm | 712 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE-16TRIPLE-0P5MM2 16 triple 0.5 mm ² | 16 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 15.5 mm | 455 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE-16TRIPLE-0P75MM2 16 triple 0.75 mm ² | 16 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 15.7 mm | 561 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE-16TRIPLE-1P0MM2 16 triple 1.0 mm ² | 16 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 15.9 mm | 668 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE-16TRIPLE-1P5MM2 16 triple 1.5 mm ² | 16 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 16.2 mm | 882 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE-20TRIPLE-0P5MM2 20 triple 0.5 mm ² | 20 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 16.2 mm | 518 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPLE-20TRIPLE-0P75MM2 20 triple 0.75 mm ² | 20 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 16.4 mm | 652 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-PVC-OS-SWA-MULTITRIPL-20TRIPLE-1P0MM2 20 triple 1.0 mm² | 20 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 16.6 mm | 785 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPL-20TRIPLE-1P5MM2 20 triple 1.5 mm² | 20 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 16.9 mm | 1052 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPL-24TRIPLE-0P5MM2 24 triple 0.5 mm² | 24 triple | 0.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 39.39 Ω/km | 75 pF/m guide | 25 uH/ohm | 16.9 mm | 581 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPL-24TRIPLE-0P75MM2 24 triple 0.75 mm² | 24 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 17.1 mm | 742 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPL-24TRIPLE-1P0MM2 24 triple 1.0 mm² | 24 triple | 1.0 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 19.7 Ω/km | 85 pF/m guide | 40 uH/ohm | 17.3 mm | 902 kg/km |
| UEC-EN50288-7-PE-PVC-OS-SWA-MULTITRIPL-24TRIPLE-1P5MM2 24 triple 1.5 mm² | 24 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 17.6 mm | 1222 kg/km |