



INDIVIDUAL AND 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 mm ² , 0.75 mm ² , 1.0 mm ² , 1.5 mm ² 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 – PVC
- 3 ■ Individual screen (IS) – Al/polyester foil + tinned-copper drain
- 4 ■ Filler – Bedding / filler
- 5 ■ Overall screen (OS) – Al/polyester foil + drain
- 6 ■ Bedding – PVC bedding
- 7 ■ Armour – Galvanised steel wire armour (SWA)
- 8 ■ 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-PVC-PVC-IOS-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 | 12.5 mm | 244 kg/km |
| UEC-EN50288-7-PVC-PVC-IOS-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 | 12.7 mm | 257 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-PVC-PVC- IOS-SWA-MULTITRIPL- E-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 | 12.9 mm | 271 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL- E-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 | 13.2 mm | 298 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL- E-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 | 13.4 mm | 281 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL- E-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 | 13.6 mm | 308 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL- E-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 | 13.8 mm | 335 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL- E-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 | 14.1 mm | 388 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL- E-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 | 14.6 mm | 355 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL- E-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 | 14.8 mm | 409 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL- E-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 | 15.0 mm | 462 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL- E-8TRIPLE-1P5MM2 8 triple 1.5 mm ² | 8 triple | 1.5 mm ² | Class 1 (solid) / 2 (stranded) | 13.43 Ω/km | 85 pF/m guide | 40 uH/ohm | 15.3 mm | 569 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-PVC-PVC- IOS-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 | 15.5 mm | 430 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-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 | 15.7 mm | 510 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-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 | 15.9 mm | 590 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-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 | 16.2 mm | 750 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-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 | 16.3 mm | 504 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-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 | 16.5 mm | 611 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-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 | 16.7 mm | 717 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-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 | 17.0 mm | 931 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-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 | 17.0 mm | 578 kg/km |

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|--|-----------------------------|----------------------|---|----------------------------|--------------------|--------------|------------|---------------|
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL E-20TRIPL E-0P75MM2 20 triple 0.75 mm ² | 20 triple | 0.75 mm ² | Class 1 (solid) / 2 (stranded) / 5 (flexible) | 26.8 Ω/km | 75 pF/m guide | 25 uH/ohm | 17.2 mm | 712 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL E-20TRIPL E-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 | 17.4 mm | 845 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL E-20TRIPL E-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 | 17.7 mm | 1112 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL E-24TRIPL E-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 | 17.7 mm | 652 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL E-24TRIPL E-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 | 17.9 mm | 812 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL E-24TRIPL E-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 | 18.1 mm | 973 kg/km |
| UEC-EN50288-7-PVC-PVC- IOS-SWA-MULTITRIPL E-24TRIPL E-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 | 18.4 mm | 1293 kg/km |