Water Proof 1000 S/FTP 4PR AWG 23/1 (L)PE

Underground installation - 1000 MHz

Construction

- Conductor: copper, solid, bare, AWG 23/1
- Core insulation: SFS-PE
- Core identification: wh-bu, wh-or, wh-gn, wh-bn
- Core stranding: cores twisted to layers
- Screen: pair screen (PIMF) (plastic-laminated aluminium foil),
  drain wire optional; tinned copper wire braid
- Sheath: multiple sheath consisting of PE-coated Aluminium tape and PE sheath

Technical data

- (Conductor) loop resistance max. 14,5 Ω/100 m
- Insulation resistance min. (20°C) min. 5 GΩ x km
- Char. impedance 1 -100 MHz 100 +/- 15 Ω
- Char. impedance 100 - 250 MHz 100 +/- 22 Ω
- Char. impedance 250 - 1000 MHz 100 +/- 25 Ω
- Transfer impedance max. (10 MHz) 10 mΩ/m
- Mutual capacitance nom. 45 nF/km
- Screen attenuation ≤ 1000 MHz min. 85 dB
- Relative propagation velocity ca. 0,78 c
- Test voltage 700 V-AC
- Temperature range:
  during installation -20°C to +50°C
  stationary to +70°C
- Min. bending radius:
  under tensile load 10 x diameter
  without tensile load 5 x diameter
- Maximum traction 200 N

Standards

EN 50288-4-1; IEC 61156-5; EN 50173-1; ISO/IEC 11801 2nd Edition: RoHS 2002/95/EC
Application: Data cable for analogue and digital signal transmission in the frequency range up to 1000 MHz. It is designed for primary (Campus), secondary (riser) and tertiary (horizontal) wiring. Specially for underground installation.

Dimension	Sheath thickness appr. mm	Diameter appr. mm	Total-Weight kg/km	Cu-Weight kg/km	Article number
4 x 2 x AWG 23/1	1,5	9,9	102,0	34,0	4441003423

- Further formats available on request
- All data and products subject to change