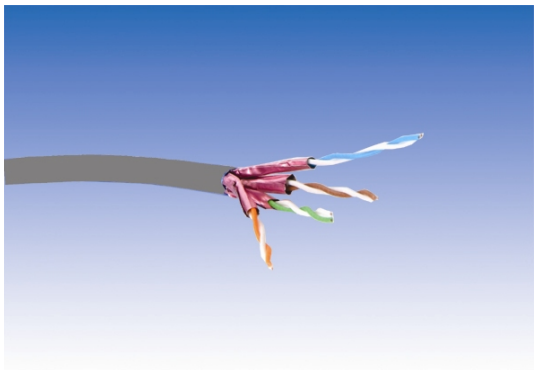
SMARTen U/FTP Un-Grounded Patch Cable

Features



- 100-ohm, ungrounded screened twisted pair
- Four individually twisted pairs wrapped with a polyester-aluminum foil, aluminum face inside
- High performance, supportable bandwidth up to 500MHz according to IEEE 802.3an 10Gbps
- Specified up to 500 MHz
- Conforms to ANSI/TIA/EIA-568-C.2, ISO/IEC 11801 2nd edition and CENELEC EN50173 for Category 6A/CLASS E_A
- Backward compatible with Category 5e and Category 6 cabling standards
- Low-smoke, Zero halogen (LSZH) or PVC jacket

SMARTen U/FTP Un-Grounded Patch Cable

Description

The SMARTen U/FTP Horizontal Cable is designed for Category 6A data-cable, with enhanced transmission properties, supporting 10GBase-T and all other high bandwidth digital applications with low BER up to 500 MHz bandwidth.

The cable contains 4 Un-grounded Screened Twisted Pairs (U/FTP), cabled and jacketed with a PVC or LSZH compound.

The cable conforms to ANSI/TIA/EIA-568-B.2-10, ISO/IEC 11801 2.1 edition and CENELEC EN50173 (200x) latest drafts for Category 6A/CLASS $E_{A.}$

SMARTen U/FTP Un-Grounded Patch Cable *Specifications*

Construction

- **Basic Wires**
  Conductor: Eight wires, bare copper, 0.58mm OD (23 AWG)
  Insulation: skin foam skin, polyolefin.
- **Pair Construction**
  Four pairs, each pair wrapped in polyester-aluminum foil (metal face inside), eliminating alien cross-talk.
- **Pair Color Codes (2 wires/pair)**
  (as per IEC 60708-1)
  Blue/white, orange/white, green/white, brown/white.
- **Overall Diameter**
  8.0mm nominal.
- **Outer Sheath**
  LSZH - Low Smoke, Zero Halogen (LSZH) compound, colored light gray RAL 7032 with black printing.
  PVC - SR PVC compound, colored light gray RAL 7035, with black printing.
- **Printing**
  LSZH
  RIT R3726020 SMARTen U/FTP UN-GROUNDED HORIZONTAL CABLE 100-ohn CATEGORY 6A / CLASS E(A) 4XF(2*23AWG) LSZH { } METER {Batch Number}
  PVC
  RIT R3726120 SMARTen U/FTP UN-GROUNDED HORIZONTAL CABLE 100-ohm CATEGORY 6A / CLASS E(A) 4XF(2*23AWG) PVC { } METER {Batch Number}

General

- **Storage Temperature**
  -40° to 70°C.
- **Operating Temperature**
  -10° to 50°C.

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Specifications

- **Bending Radius (min.)**
  80 mm during installation
  50 mm during operation

- **Flammability Test**
  IEC 332-1 / UL 1581 VW-1.

- **Weight**
  LSZH
  51 kg/km, nominal.
  PVC
  54 kg/km, nominal.

- **Pulling Force**
  130 N max. during installation

SMARTen U/FTP Un-Grounded Patch Cable

Ordering Information

Number	Description
R3266000	SMARTen U/FTP Un-Grounded Patch Cable, LSZH, 300m Reel