

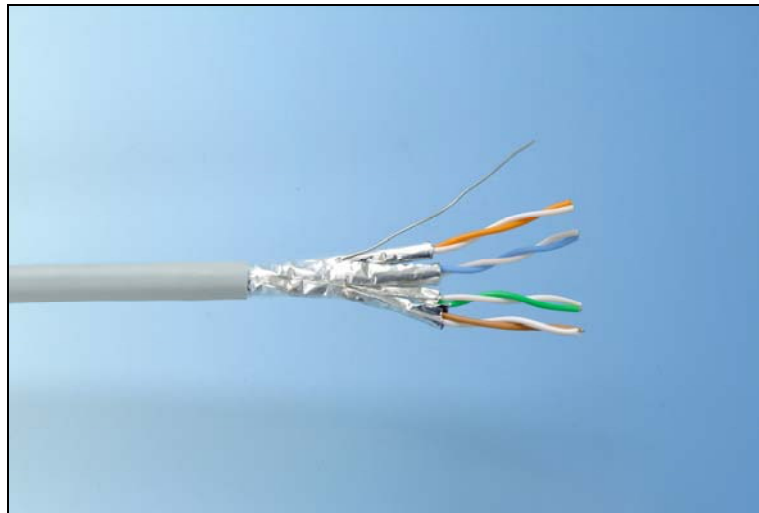


RiT Technologies Ltd.
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SMARTen U/FTP Horizontal Cable

Features

SMARTen
WARRANTY



- 100-ohm, screened twisted pair
- Four individually twisted pairs wrapped with a polyester-aluminum foil
- 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 2.1 edition and CENELEC EN50173 (200x) latest drafts for Category 6A/CLASS E_A
- Backward compatible with Category 5e and Category 6 cabling standards
- Low-smoke, Zero halogen (LSZH) or PVC jacket



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Description

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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 Screened Twisted Pairs (U/FTP), cabled and jacketed with a PVC or LSZH compound.

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



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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 outward), 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

8.0 mm 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 R3726030 SMARTen U/FTP HORIZONTAL CABLE 100-ohm CATEGORY 6A / CLASS E(A) 4XF(2*23AWG) LSZH { } METER {Batch Number}

PVC

RIT R3726130 SMARTen U/FTP HORIZONTAL CABLE 100-ohm CATEGORY 6A / CLASS E(A) 4XF(2*23AWG) PVC { } METER {Batch Number}



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Specifications

General

- **Storage Temperature**
-40° to 70°C

- **Operating Temperature**
-10° to 50°C

- **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