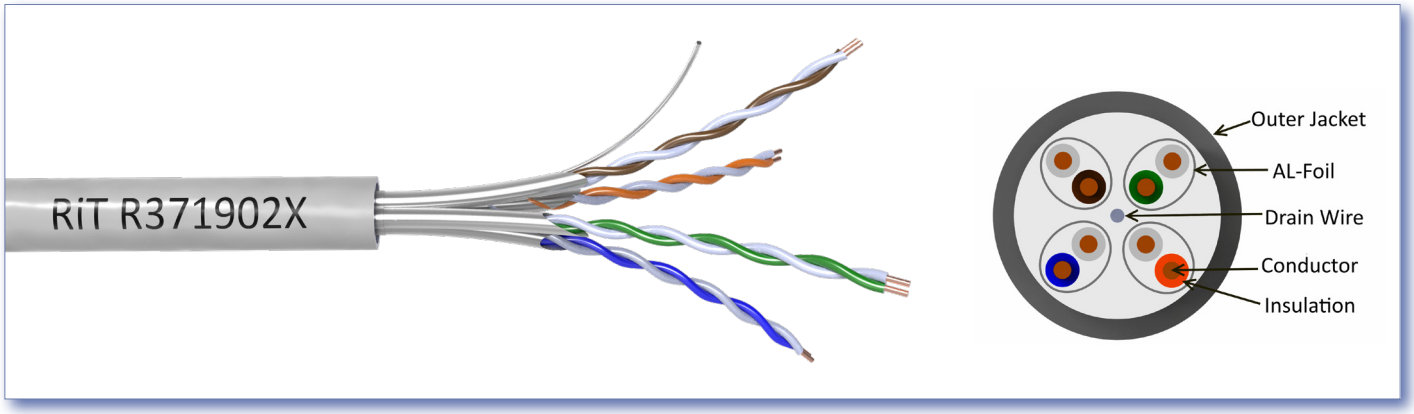
SMARTen (Cat 6A) U/FTP 23AWG LSZH 332-3-22 Cable

Copper | Cables | Cat 6A



RiT SMARTen (Category 6A) U/FTP Cable, 23 AWG solid wires, 4 individually foil-shielded twisted pairs, cabled together with a drain wire and jacketed with LSZH compound.

KEY APPLICATIONS

- 10/100/1000Base-T, 10G
- Power over Ethernet (PoE)

KEY FEATURES

- Designed to support Cat 6A Link and Channel performance
- Electrical performance up to 500 MHz
- Supports PoE Type 4 applications (IEEE 802.3bt)
- 100% factory tested

STANDARDS COMPLIANCE

- ANSI/TIA-568.2-E :2024
- ISO/IEC 11801
- IEEE 802.3bt (PoE Type 4)
- Flammability Test IEC 60332-1&2
- Flammability Test IEC 60332-3-22
- Acid Gas Emission Test IEC 60754-1&2
- Smoke Density Test IEC 61034-1&2
- RoHS2: Directives 2011/65/EU, 2015/863/EU

RiT Tech (Intelligence Solutions) Ltd.
5B Atir Yeda St. Kfar Saba, 4464315, Israel | Tel: +972-77-2707270 | Fax: +972-3-6474115 | www.rittech.com

SMARTen (Cat 6A) U/FTP 23AWG LSZH 332-3-22 Cable

Copper | Cables | Cat 6A

TECHNICAL SPECIFICATION

Cable Construction	
Outer Jacket Diameter	Ø7.4mm nom.
Outer Jacket Material	LSZH
Conductor Material	Annealed Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Insulation Material	Foam Polyethylene
Color Code	White - Blue, White - Orange, White - Green, White - Brown
Ind. Shield Material	Aluminum/ Poly-laminated Foil
Ind. Shield Design	100% Coverage
Conductor unit lay-up	Twisted Pairs
Drain-wire Material	Tinned Copper
Number of conductors	8

Electrical Characteristics	
Frequency Range	1 - 500 MHz
Max. DC Resistance	9.38 Ω/100m
Max. Resistance Unbalance	5 %
Max. Mutual Capacitance	5.6 nF/100m at 1Khz
Max. Capacitance Unbalance	330 pF/100m at 1Khz
Voltage Rating	300V
Dielectric Strength	2.5 KV/2S
Min. Insulation Resistance	5000 MΩ •km

Mechanical Properties	
Bending Radius	≥ 8 X Cable Diameter
Pulling Force	10 kg
Operating Temperature	-20°C to +60°C
Installation Temperature	0°C to +50°C
Weight	56 kg/km

ORDERING INFORMATION

P/N	DESCRIPTION
R3719020	CAT6A Horizontal Cable, U/FTP, 23AWG, LSZH, 332-3-22, Gray, 500m Reel
R3719025	CAT6A Horizontal Cable, U/FTP, 23AWG, LSZH, 332-3-22, Gray, 305m Reel
R3719720	CAT6A Horizontal Cable, U/FTP, 23AWG, LSZH, 332-3-22, Blue, 500m Reel
R3719725	CAT6A Horizontal Cable, U/FTP, 23AWG, LSZH, 332-3-22, Blue, 305m Reel

Packing:
Available in Reels of guaranteed 305/500 Meter Length

4559440_B1

RiT Tech (Intelligence Solutions) Ltd.
5B Atir Yeda St. Kfar Saba, 4464315, Israel | Tel: +972-77-2707270 | Fax: +972-3-6474115 | www.rittech.com