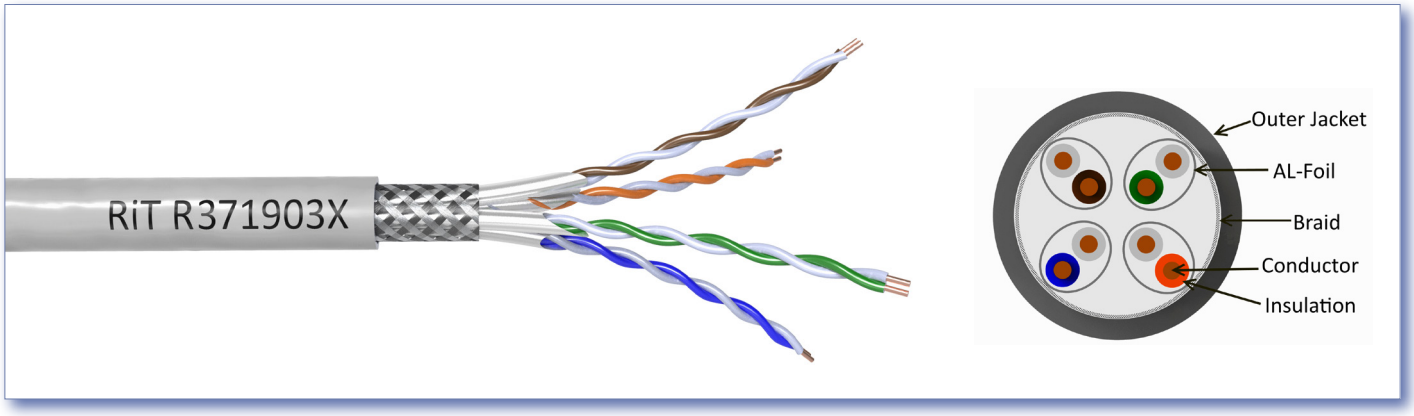
SMARTen (Cat 6A) 23AWG S/FTP LSZH Horizontal Cable

Copper | Cables | Cat 6A



RiT SMARTen (Category 6A) S/FTP Cable, 23 AWG solid wires, 4 individually AL-Foil shielded twisted pairs, Overall braiding (25%), cabled together 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)
- UL Subject 444
- Flammability Rating:
  IEC 60332-1
  IEC 60332-3-22(3A)
- Acid Gas Emission Test IEC 60754-1&2
- Smoke Density Test IEC 61034-1&2
- RoHS2: Directives 2011/65/EU, 2015/863/EU

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SMARTen (Cat 6A) 23AWG S/FTP LSZH Data Cable

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TECHNICAL SPECIFICATION

Cable Construction	
Outer Jacket Diameter	Ø7.4 ± 0.4 mm
Outer Jacket Material	LSZH
Conductor Material	Annealed Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Conductor unit lay-up	Twisted Pairs
Number of conductors	8
Insulation Material	Foam Polyethylene
Color Code	White - Blue, White - Orange, White - Green, White - Brown
Shield Design	Helically applied Aluminum foil 100% coverage without drain wire
Ind. Pair Shield Material	Aluminum/ Poly-laminated Foil
Overall Shielding	Tinned Copper wire braid (25% coverage)

Electrical Characteristics	
Frequency Range	1 - 500 MHz
Max. DC Resistance	9.38 Ω/100m
Max. Resistance Unbalance	2 % (in pairs)
Propagation Delay Skew:	25 ns/100m max.
Velocity of propagation	74% Nom
Max. Capacitance Unbalance	160 pF/100m
Dielectric Strength	2.5 KV/2 Seconds
Min. Insulation Resistance	5 GΩ •km
Voltage Rating	300 V

Mechanical Properties	
Bending Radius	≥ 8 X Cable Diameter
Maximum Pulling Force	100 N
Operating Temperature	-20°C to +70°C
Installation Temperature	0°C to +50°C
Weight	49 kg/km

ORDERING INFORMATION

P/N	DESCRIPTION
R3719030	CAT6A, S/FTP, Horizontal Cable, 23AWG, 25% Braiding, LSZH, 332-3-22, Gray, 500m Reel
R3719035	CAT6A, S/FTP, Horizontal Cable, 23AWG, 25% Braiding, LSZH, 332-3-22, Gray, 305m Reel

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

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