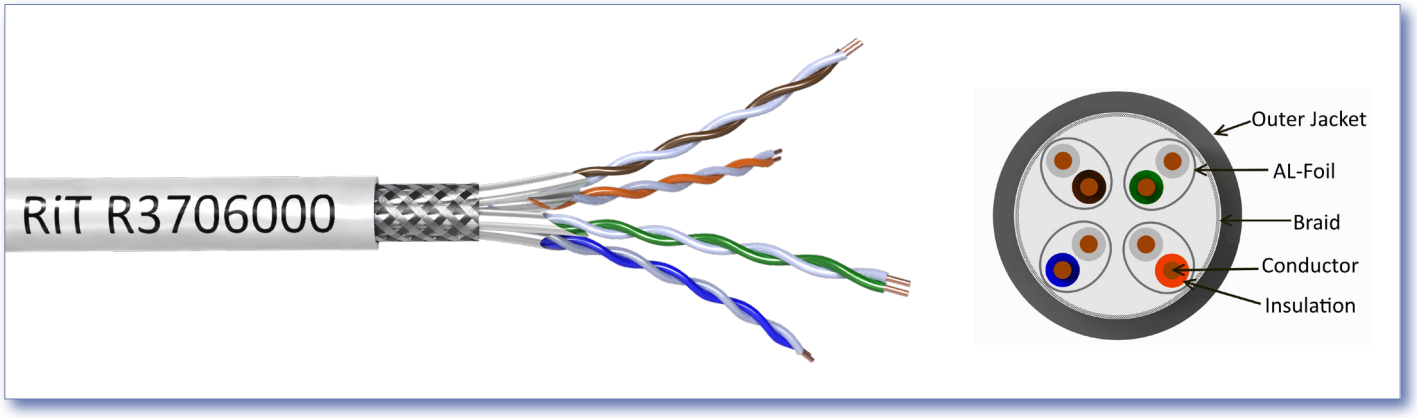
Cat 7A 22AWG S/FTP LSZH 40% Braid Horizontal Cable

Copper | Cables | Cat 7A



RiT Category 7A S/FTP Cable, 22 AWG solid wires, 4 individually AL-Foil shielded twisted pairs, Overall braiding 40%, cabled together and jacketed with LSZH compound.

KEY APPLICATIONS

- Indoor use
- 10/100/1000Base-T, 10G
- Power over Ethernet

KEY FEATURES

- Designed to support Cat 7A Link and Channel performance
- Electrical performance up to 1200 MHz
- Supports PoE Type 4 applications (IEEE 802.3bt)
- Exceeds the requirements of ISO/IEC 11801
- 100% factory tested

STANDARDS COMPLIANCE

- IEC 61156-5
- ISO/IEC 11801-1
- IEEE 802.3bt (4PPoE)
- IEC 60332-1
- UL 1581 VW-1
- RoHS 2 Directives 2011/65/EU, 2015/863/EU

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TECHNICAL SPECIFICATION

Cable Construction	
Outer Jacket Diameter & Color	Ø8.7 mm, Light Gray
Outer Jacket Material	FR-LSZH
Conductor Material	Annealed Bare Copper
Conductor Size	22 AWG
Conductor Construction	Solid
Insulation Material	SFS PO
Conductor unit lay-up	Twisted Pairs
Number of conductors	8
Color Code	White - Blue, White - Orange, White - Green, White - Brown
Ind. Pair Shield Design	Helically applied Aluminum foil 100% coverage
Ind. Pair Shield Material	Aluminum/ Polyester Foil
Overall Shielding	Tined Copper wire braid 40% coverage

Electrical Characteristics	
Frequency Range	1- 1200 MHz
Impedance	100 Ω
Transfer Impedance	Grade 1
Coupling Attenuation:	Type I
Max. DC Resistance	55 Ω/km@20°C
Max. Resistance Unbalance	2 %
Capacitance	44 pF/m
Capacitance Unbalance	1.2 pF/m max.
Velocity of Propagation	78 % nom.
Propagation Delay Skew	20 ns/100m max.
Dielectric Strength:	700 V/minute
Dielectric Strength to Shield	700 V/minute
Min. Insulation Resistance	5 GΩ•km

Mechanical Properties	
Minimum Bending Radius	60 mm
Tensile Strength - Short Term	140 N
Operating Temperature	-40°C to +65°C
Installation Temperature	0°C to +50°C
Weight	75 kg/km

ORDERING INFORMATION

P/N	DESCRIPTION
R3706000	CAT 7A, S/FTP, Horizontal Cable, 22AWG, 40% Braid, LSZH, Light Gray, 500 m Reel

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