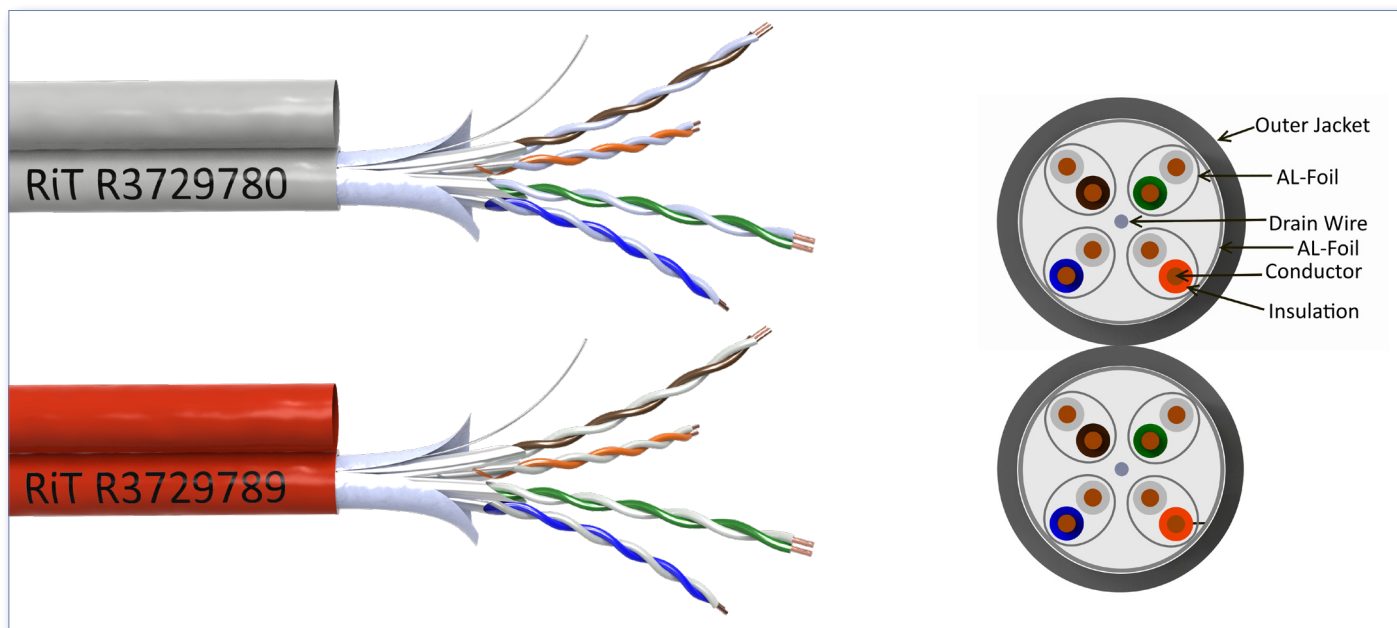




RiT Category 7 F/FTP FIG-8 Horizontal Cable, contains two groups of 4 individually foil-shielded twisted pairs, cabled together around a drain wire, an overall foil-shield and jacketed with a FR-LSZH compound

KEY APPLICATIONS

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

STANDARDS COMPLIANCE

- ISO/IEC 11801 Class F
- IEEE 802.3bt (PoE Type 4)
- IEC 61156-5
- Flammability Rating:
IEC 60332-1
UL 1581 VW-1
- RoHS2: Directives 2011/65/EU, 2015/863/EU

KEY FEATURES

- Designed to support Cat 7 Link and Channel performance
- Electrical performance up to 600 MHz
- Supports PoE Type 4 applications (IEEE 802.3bt)
- 100% factory tested

TECHNICAL SPECIFICATION

Cable Construction	
Outer Jacket Diameter	Ø8.0 mm
Overall Dimension	8.0 x 16.5 mm
Outer Jacket Material	LSZH
Conductor Material	Annealed Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Insulation Material	Polyethylene
Color Code	TIA/EIA 568-B
Individual and overall shield design	Helically applied Aluminum foil 100% coverage
Ind. Pair Shield Material	Aluminum/ Polyester Foil
Overall Shield Material	Aluminum/ Polyester Foil
Conductor unit lay-up	Twisted Pairs
Drain-wire	Ø0.41 mm
Number of conductors	16

Electrical Characteristics	
Frequency Range	1 - 600 MHz
Impedance	100 Ω
Coupling Attenuation	Type II
Max. Resistance Unbalance	2 % (in pairs)
Max. Capacitance Unbalance	1.2 pF/m
Velocity of propagation	78% nom
Max. Propagation Delay Skew:	20 ns/100m
Min. Insulation Resistance	5 G Ω*Km

Mechanical Properties	
Min. Bending Radius	65 mm (small axis)
Max Tensile Strength - Short Term	150 N
Operating Temperature	-30°C to +65°C
Weight	112 kg/km

ORDERING INFORMATION

P/N	DESCRIPTION
R3729780	CAT7 Horizontal Cable, Fig-8, F/FTP, 23AWG, LSZH, Gray, 500m Reel
R3729789	CAT7 Horizontal Cable, Fig-8, F/FTP, 23AWG, LSZH, Red, 500m Reel

Packing:
Available in Reels of guaranteed 500 Meter Length