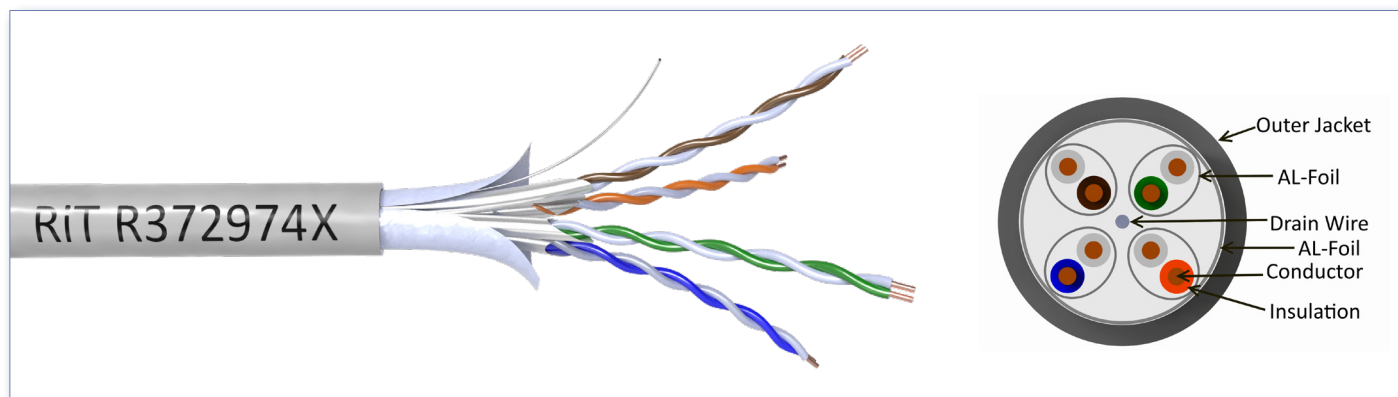




RiT Category 7 F/FTP Cable, 23 AWG solid wires, 4 individually AL-Foil shielded twisted pairs, Overall AL-Foil cabled together with a drain wire and jacketed with LSZH compound.

KEY APPLICATIONS

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

KEY FEATURES

- Designed to support Cat 7 Link and Channel performance
- Electrical performance tested up to 1000 MHz
- Low Smoke Zero Halogen (LSZH)
- Supports PoE Type 4 applications (IEEE 802.3bt)
- 100% factory tested

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

TECHNICAL SPECIFICATION

Cable Construction	
Outer Jacket Diameter	Ø7.4 mm
Outer Jacket Material	LSZH
Conductor Material	Annealed Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Number of conductors	8
Conductor unit lay-up	Twisted Pairs
Insulation Material	Polyethylene
Color Code	Per TIA/EIA 568-B
Shield Design	Helically applied Aluminum foil 100% coverage
Ind. Pair Shield Material	Aluminum/ Polyester Foil
Overall Shield Material	Aluminum/ Polyester Foil
Drain-wire	Ø0.41 mm

Electrical Characteristics	
Frequency Range	1 - 1000 MHz
Impedance	100 Ω
Coupling Attenuation	Type II
Max. DC Resistance	73 Ω/km@20°C
Max. Resistance Unbalance	2 % (in pairs)
Capacitance Unbalance	1.3 pF/m max
Velocity of Propagation	78 % nom
Propagation Delay Skew	35 ns/100m max
Dielectric Strength	700 V/minute
Dielectric Strength to Shield	700 V/minute
Min. Insulation Resistance	5 GΩ •km

Mechanical Properties	
Min Bending Radius	80 mm
Max Tensile Strength - Short Term	130 N
Max Tensile Strength - Long Term	70 N
Operating Temperature	-40°C to +60°C

ORDERING INFORMATION

P/N	DESCRIPTION
R3729740	CAT7, F/FTP, Horizontal Cable, 23AWG, LSZH, Light Gray, 500m Reel
R3729749	CAT7, F/FTP, Horizontal Cable, 23AWG, LSZH, Red, 500m Reel

Packing:
Available in Reels of guaranteed 500 Meter Length