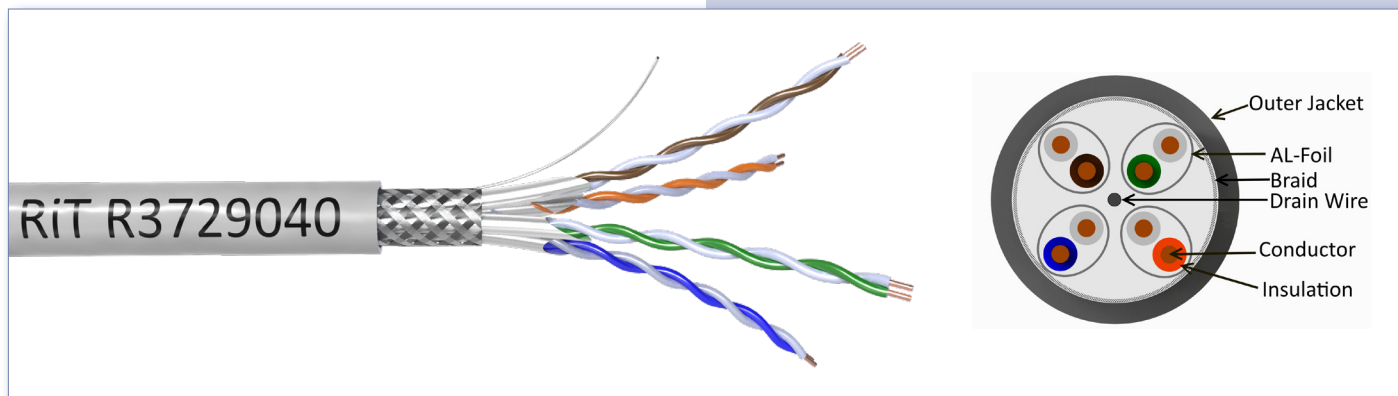




RiT Category 7, S/FTP Horizontal Cable, 23AWG solid wires, 4 individually AL-Foil shielded twisted pairs, overall braiding (55%), with drain wire cabled together and jacketed with FR-LSZH compound.

KEY APPLICATIONS

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

KEY FEATURES

- Designed to support Cat 7 Link and Channel performance
- Electrical performance up to 600 MHz
- Supports PoE Type 2 applications (IEEE 802.3at)
- 100% factory tested

STANDARDS COMPLIANCE

- ISO/IEC 11801-1
- IEEE 802.3at (PoE+ Type 2)
- IEC 61156-5
- Flammability Rating:
 - IEC 60332-1
 - IEC 60754-1/2
 - IEC 61034-1/2
 - UL 1581 VW-1
- RoHS3: 2015/863/EU



TECHNICAL SPECIFICATION

Cable Construction	
Outer Jacket Diameter	Ø8.0 mm nom
Outer Jacket Material	FR-PVC
Outer Jacket Color	Gray RAL 7035
Conductor Material	Annealed Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Number of Conductors	8
Drain-wire	Ø0.4 mm Solid Tinned Copper
Conductor unit lay-up	Twisted Pairs
Insulation Material	Cellular Polyethylene
Color Code	Per TIA/EIA 568-B
Ind. Pair Shield Design	Helically applied Aluminum Polyester foil 100% coverage
Overall Shield Material	Tinned-copper braid
Braid Coverage	55% nom.

Electrical Characteristics	
Frequency Range	1 - 600 MHz
Impedance	100 Ω
Coupling Attenuation	Type I
Max. DC Resistance	73 Ω/km@20°C
Max. Resistance Unbalance	2 %
Capacitance Unbalance	1.2 pF/m max.
Propagation Delay Skew	25 ns/100m max.
Velocity of propagation	78% Nom
Dielectric Strength to Shield	700 V/minute
Dielectric Strength	700 V/minute
Min. Insulation Resistance	5 GΩ •km

Mechanical Properties	
Bending Radius	≥ 60mm
Operating Temperature	-40°C to +70°C
Weight	65 kg/km

ORDERING INFORMATION

P/N	DESCRIPTION
R3729040	CAT7, S/FTP, Horizontal Cable, 23AWG, 55% Braiding, LSZH, Gray, 500m Reel

Packing:
Available in Reels of guaranteed 500 Meter Length