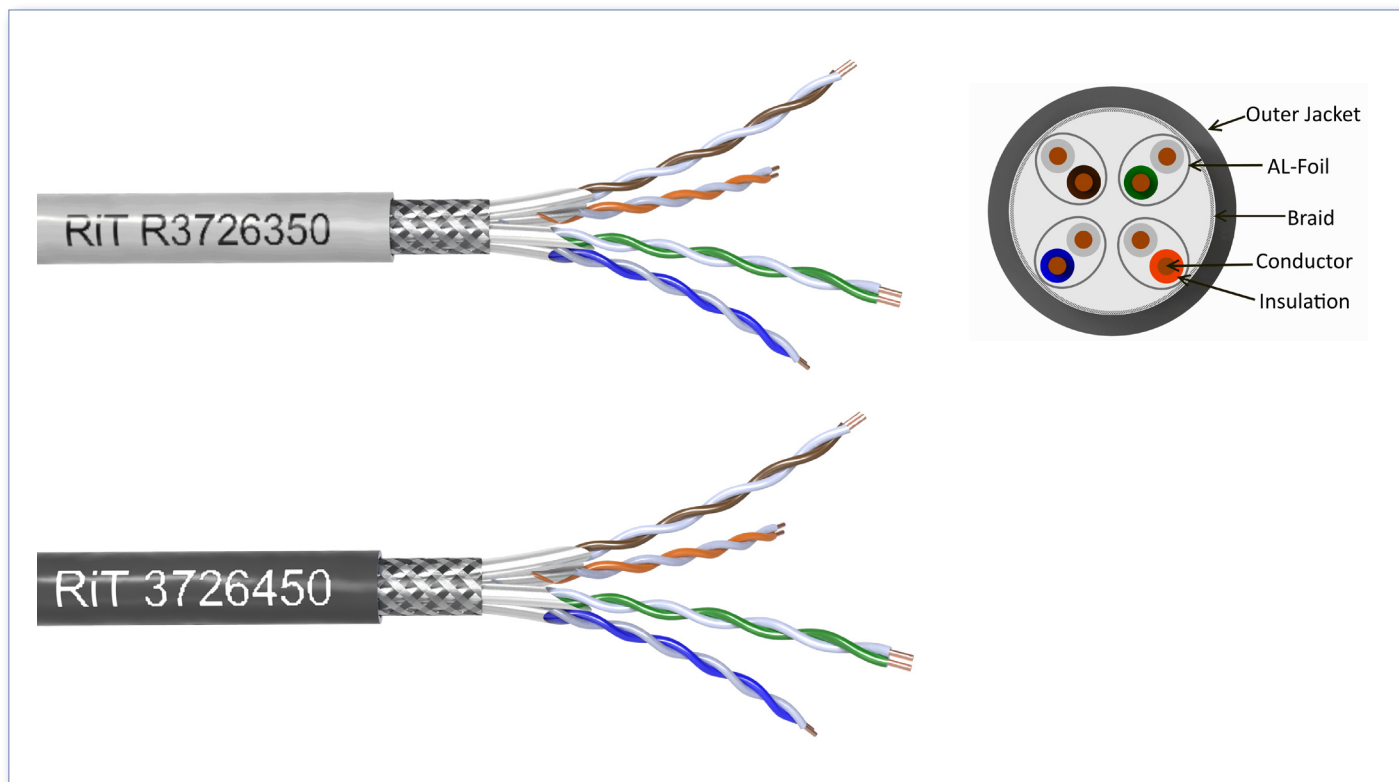




RiT SMARTen (Category 6A) S/FTP Cable, 23 AWG solid wires, 4 individually AL-Foil shielded twisted pairs, Overall braiding (45%), cabled together and jacketed with FR-LSZH compound.

KEY APPLICATIONS

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

STANDARDS COMPLIANCE

- ANSI/TIA-568-C.2
- ISO/IEC 11801
- IEEE 802.3bt (4PPoE)
- Flammability Rating:
 - IEC 60332-1
 - IEC 60332-3
 - IEC 60332-3-22(3A)
- Acid Gas Emission Test IEC 60754-1&2
- Smoke Density Test IEC 61034-1&2
- RoHS 3 2015/863/EU

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)
- Exceeds the requirements of ANSI/TIA-568-C.2, ISO/IEC 11801
- 100% factory tested



TECHNICAL SPECIFICATION

Cable Construction	
Outer Jacket Diameter	Ø7.7 + 0.3 mm
Outer Jacket Material	FR 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	SFS PO
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/ Polyester Foil
Overall Shielding	Tined Copper wire braid (45% coverage)

Mechanical Properties	
Min. Bend Radius (mm)	50
Max. Installation Tensile Load (N max.)	120
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	80
Weight	67 kg/km

Electrical Characteristics	
Frequency Range	1 - 500 MHz
Impedance (Ω)	100
Transfer Impedance Grade	Grade 1
Coupling Attenuation	Type I
Max. DC Resistance (Ω/km@20°C)	73
Max. Resistance Unbalance (%)	2
Capacitance (pF/m)	44
Capacitance Unbalance (pF/m max)	1.2
Velocity of Propagation (% nom)	78
Propagation Delay Skew (ns/100m max)	25
Dielectric Strength (V/minute)	700
Dielectric Strength to Shield (V/minute)	700
Min. Insulation Resistance (GΩ•km)	5

ORDERING INFORMATION

P/N	DESCRIPTION
R3726350	SMARTen (CAT6A), S/FTP, Horizontal Cable, 23AWG, 45% Braid, LSZH, IEC 60332-3-22, Gray, 500m Reel
R3726450	SMARTen (CAT6A), S/FTP, Horizontal Cable, 23AWG, 45% Braid, LSZH, IEC 60332-3-22, Black, 500m Reel