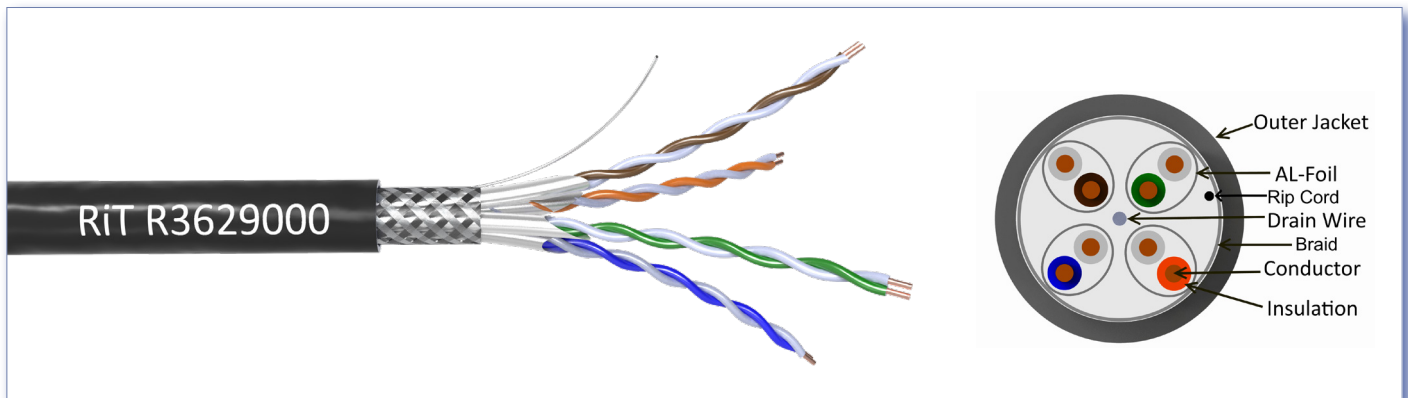




RiT Category 7A S/FTP Cable, 23 AWG solid wires, 4 individually AL-Foil shielded twisted pairs, Overall braiding 55%, with drain wire, cabled together and jacketed with LLDPE compound.

KEY APPLICATIONS

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

KEY FEATURES

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

STANDARDS COMPLIANCE

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

TECHNICAL SPECIFICATION

FREQ.	Attenuation	RL	NEXT	PS NEXT	EL FEXT	PS ELFEXT	Delay
MHz	dB/100m	dB	dB	dB	dB	dB	ns/100m
4	3.7	23	78	75	78	75	552
8	5.2	24.5	78	75	77.2	74.2	547
10	5.8	25	78	75	75.3	72.3	545
16	7.3	25	78	75	71.2	68.2	543
20	8.2	25	78	75	69.3	66.3	542
25	9.2	24.3	78	75	67.3	64.3	541
31.3	10.3	23.6	78	75	65.4	62.4	540
62.5	14.6	21.5	78	75	59.4	56.4	539
100	18.5	20.1	75.4	72.4	55.3	52.3	538
200	26.5	18	70.9	67.9	49.3	46.3	537
250	29.7	17.3	69.4	66.4	47.3	44.3	536
300	32.7	17.3	68.2	65.2	45.8	42.8	536
500	42.8	17.3	64.9	61.9	41.3	38.3	536
600	47.1	17.3	63.7	60.7	39.7	36.7	535
800	54.9	16.1	61.9	58.9	37.2	34.2	535
1000	61.9	15.1	60.4	57.4	35.3	32.3	535

Cable Construction	
Outer Jacket Diameter & Color	Ø7.7 mm, Black
Outer Jacket Thickness	0.6mm
Outer Jacket Material	LLDPE UV Resistance
Conductor Material	Annealed Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Insulation Material	SFS PO
Conductor unit lay-up	Twisted Pairs
Number of conductors	8
Drain-wire	Ø0.4 mm Tinned Copper
Color Code	White - Blue, White - Orange White - Green, White - Brown
Ind. Pair Shield Design	Aluminum poly laminate foil 100% coverage
Overall Shielding	Tined Copper wire braid 55% coverage

Electrical Characteristics	
Frequency Range	1000 MHz
Mean Characteristic Impedance	100 Ω ±5 Ω @100Mhz
Max. DC Resistance	77 Ω/Km
Insulation Resistance	5000 MΩ•Km min. @ 500 Vdc
Coupling Attenuation	IEC 61156-5 Type I
Screening Attenuation	60 dB min @ 30-1000 MHz
Max. Resistance Unbalance	2 % (in pairs)
Capacitance	56 pF/m nom. @ 1 KHz
Max. Propagation Delay	534+36/f ^{1/2} nS/100m
Max. Propagation Delay Skew:	20 ns/100m
Max. Capacitance Unbalance	1600 pF/1Km
Dielectric Strength	700 V/ 1 minute
NVP	74%
Min. Insulation Resistance	5 GΩ •km
Max. Voltage Rating	72 Vdc



Mechanical Properties	
Minimum Bending Radius	70 mm
Maximum Pulling Force	110 N
Operating Temperature	-40°C to +70°C
Installation Temperature	0°C to +50°C
Weight	55 kg/km
Rip Card	Yes

ORDERING INFORMATION

P/N	DESCRIPTION
R3629000	CAT 7A, S/FTP, Outdoor Cable, 23AWG, 55% Braid, LLDPE, with Drain Wire, Black , 500 m Reel