

SP-RG59-182-1000-BLK

Features

- Siamese Construction: RG59 & 18/2
- RG59: 20 Gauge solid copper core, Dual Shield, 100% bonded foil tape, 95% aluminum copper braid
- 18/2: 18 Gauge, 2 Conductor, 42 strand

Application

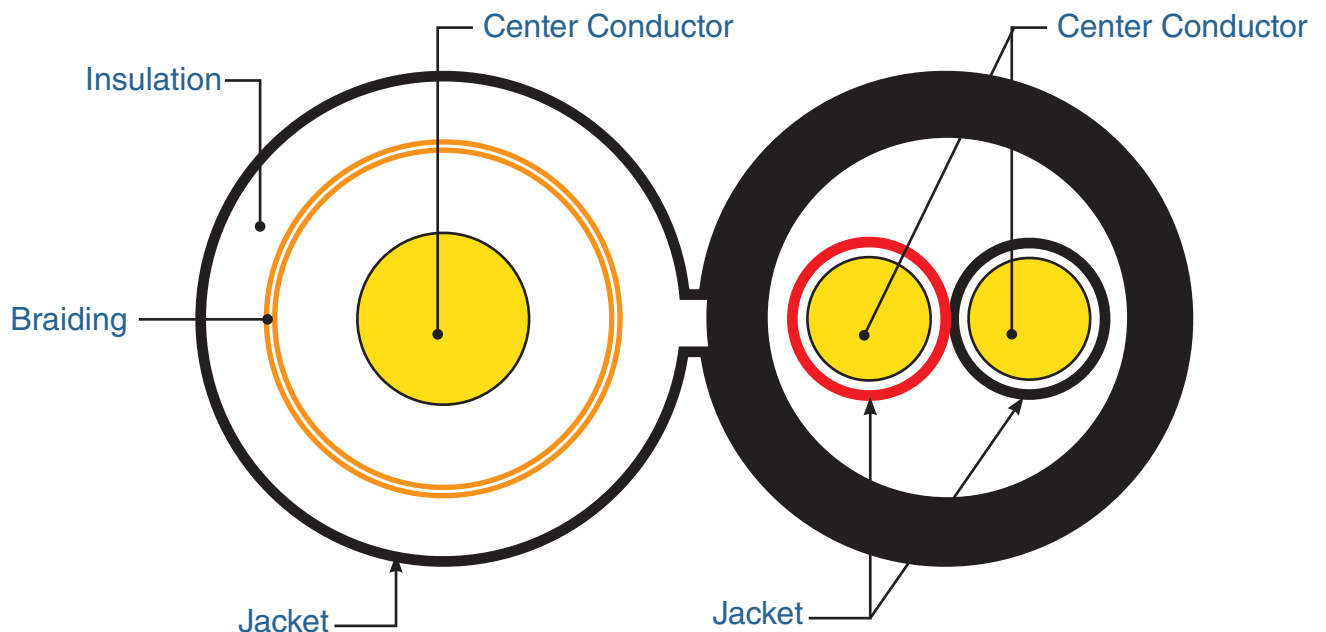
- Video and Power Connection for CCTV Security Camera

Flame Test

- FT4 Rated

Applicable Standards

- UL Listed
- CMG Rated
- RoHS Compliant



WIREFATH

BULK WIRE

Material and Construction		
RG59		
Conductor Material	Bare Copper	
AWG	20	
Diameter	0.813 mm	
Insulation Material	Foam PE	
Insulation	Normal Thickness	1.42mm
	Diameter	3.66 ± 0.08mm
Braiding Shield	Tinned Copper Wire	
	Coverage	≥ 95%
Jacket	Material	PVC
	Outer Diameter	5.95 ± 0.1mm
18/2		
Conductor Material	Stranded Bare Copper	
Conductors	2	
AWG	18	
Insulation Material	PVC	
Insulation	Normal Thickness	0.3mm
	Diameter	1.8mm
Jacket	Material	PVC
	Normal Diameter	4.6 ± 0.12mm
	Thickness	0.5 ± 0.1mm

Performance		
Electrical Characteristics	Frequency (MHz)	Attenuation (db/100m)
	1	0.79
	10	2.5
	100	9.05
	400	19.76

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BULK WIRE

Physical & Electrical Characteristics (at 20°C)

Temp & Voltage Rating	75° C/ 80V
Impedance (Ohms)	75 ± 3 @ 200MHz
Capacitance (PF/m)	53.1 ± 3
Cond. DCR @ 20° (ohms/km)	≤ 33.9
Spark Test	2500V DC
Cond. DC Resistant 18 AWG	≤ 21.9 Ω/km
Cond. DC Resistant 20 AWG	≤ 36.4 Ω/km

Mechanical Characteristics

Test Object	Jacket		
Test Material	PVC	Before Tensile Strength (Mpa)	≥ 13.8
		Aging Elongation (%)	≥ 100
Aging Condition (deg.hrs)	113 ± 1.0, 168	After Tensile Strength (Mpa)	≥ 85% unaged
		Aging Elongation (%)	≥ 50% unaged
Cold Bend (-20± 2°/4hours)	No Cracking		

Usage & Environmental Condition

Temperature Range	For Indoor use only	
	Storage & Shipping	-20°C to 75°C
	Installation	0°C to 60°C
	Operation	75° C
Min. Bending Radius	≥ 15 * Φ	