



PRODUCT SPECIFICATIONS

**CONVERGENT
CONNECTIVITY
TECHNOLOGY**

P5018

Description: 20AWG solid bare copper RG59/U 75 Ohm Plenum coaxial cable and two 18AWG bare copper conductors, in a siamese construction, with an overall jacket

Ratings/Approvals: NEC Article 800, UL Subject 444, Type CMP, C(ETL)US, RoHS Compliant

Applications: CATV, Radio, Camera and Camera Control

CONSTRUCTION

Conductor (coax):	20 AWG Bare Copper	Conductor (2C):	18 AWG Bare Copper
Stranding (coax):	Solid	Stranding (2C):	7 Strand
Dielectric Material (coax):	Foamed FEP	Insulation Material (2C):	Low Smoke Flame Retardant PVC
Dielectric Core Diameter (coax):	0.135 in. (3.429 mm.) Nominal	Insulation Thickness (2C):	0.007 in. (0.228 mm.) Nominal
Braid Shield (coax):	CCA Braid	Color Code (2C):	Black, Red
Overall Construction type:	Siamese		
Overall Jacket Material:	Low Smoke Flame Retardant PVC		
Nominal Overall Dimensions:	Minor over RG-59/U:	0.196 in (4.978 mm)	
	Minor over 18/2C:	0.162 in (4.114 mm)	
	Major:	0.389 in (9.880 mm)	
Approx Cable Weight/1,000ft.:	49 lbs.		

ELECTRICAL & PHYSICAL PROPERTIES

Operative Voltage:	300 V RMS
Nominal Capacitance (coax):	16.3 pF/ft
Nominal Velocity of propagation (coax):	83%
Nominal Impedance (coax):	75Ω
Nominal attenuation per 100ft (coax):	2.80 dB @ 100 MHz 4.10 dB @ 200 MHz 6.30 dB @ 400 MHz 9.20 dB @ 700 MHz
Temperature Rating:	-2°C to +60°C

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