



Part Number: 89248

Analog Video, RG6 #18 Solid BC, Foil + 65% TC Braid, FEP Jacket, CMP

Product Description

18 AWG solid .040" bare copper conductor, plenum, foam FEP insulation, Duofoil® + tinned copper braid shield (65% coverage), FEP jacket.

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	1
Total Number of Conductors:			1	

Insulation:

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.17 in

Outershield 1:

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape-Aluminum Foil	Duofoil®	100 %
Braid	2	TC - Tinned Copper		65 %

Outerjacket 1:

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	0.222 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	5.1 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield
16.5 pF/ft

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft
10 MHz	0.7 dB/100ft
50 MHz	1.5 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	3.1 dB/100ft
400 MHz	4.5 dB/100ft
700 MHz	6 dB/100ft
900 MHz	6.9 dB/100ft
1000 MHz	7.3 dB/100ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.24 ns/ft	82 %

High Freq:

Min. RL (Return Loss) [dB]
23 dB

Inductance:

Nominal Inductance
0.09 µH/ft

Voltage:

UL Voltage Rating
300V RMS V

Use



Suitability - Aerial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	45 lbs

Safety

CSA Flammability:	FT6
UL Flammability:	NFPA 262

Temperature Range

Non-UL Temp Rating:	200°C °C
Operating Temp Range:	-70°C To +200°C °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3 in
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	9248

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMP
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMP
RG Type:	6/U
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No

History

Notes:	100% Sweep tested 5 MHz to 450 MHz.
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Product Variants

Part Number	Color	Put-Up Type	Length
89248	BLACK	Reel	1000 ft
89248	BLACK	Reel	305 m
89248 0101000	BLACK	Reel	1000 ft
89248	BLACK	Reel	2000 ft
89248	BLACK	Reel	610 m
89248 0102000	BLACK	Reel	2000 ft
89248	BLACK	Reel	500 ft
89248	BLACK	Reel	152 m
89248 010500	BLACK	Reel	500 ft
89248	BLACK	Reel	305 m
89248			

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