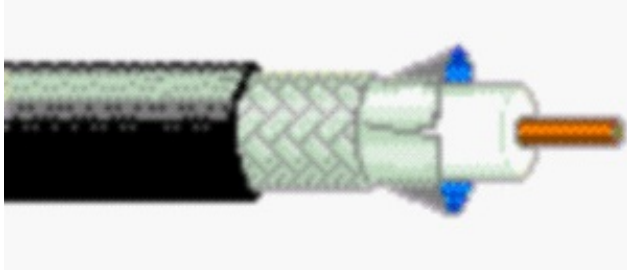


Part Number: 9248

Analog Video, RG59, #18 Solid BC, Foil + 60% TC Braid, PVC Jacket, CM



Product Description

18 AWG solid .040" bare copper conductor, gas-injected foam HDPE insulation, Duofoil® + tinned copper braid shield (60% coverage), PVC 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
Gas-injected FHDPE - Foam High Density Polyethylene	0.18 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		60 %

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.27 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	5.6 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield
16.2 pF/ft

Impedance:

Nominal Characteristic Impedance
75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.3 dB/100ft
5 MHz	0.54 dB/100ft
10 MHz	0.7 dB/100ft
50 MHz	1.5 dB/100ft
100 MHz	2 dB/100ft
200 MHz	2.8 dB/100ft
400 MHz	4 dB/100ft
700 MHz	5.3 dB/100ft
900 MHz	6.1 dB/100ft
1000 MHz	6.5 dB/100ft
1500 MHz	8.3 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
0.106 μ H/ft

Voltage:

UL Voltage Rating
30V RMS (UL AWM Style 1354); 300V RMS (CM) V

Use

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	44 lbs

Safety

UL Flammability:	UL1685 UL Loading
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Temperature Range

Operating Temp Range:	-40°C To +80°C °C
UL Temp Rating:	80°C (UL AWM Style 1354) °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.75 in
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Part Number

Plenum Number:	89248 and 82248
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Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CM
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CM
RG Type:	6/U
UL AWM Style:	UL Style 1354 (30 V 80°C)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Product Variants

Part Number	Color	Put-Up Type	Length
9248	BLACK	Reel	1000 ft
9248	BLACK	Reel	305 m
9248 0101000	BLACK	Reel	1000 ft
9248	BLACK	Reel	1640 ft
9248	BLACK	Reel	500 m
9248 0101640	BLACK	Reel	1640 ft
9248	BLACK	Reel	3280 ft
9248	BLACK	Reel	1000 m
9248 0103280	BLACK	Reel	3280 ft
9248	BLACK	Reel	500 ft
9248	BLACK	Reel	152 m
9248 010500	BLACK	Reel	500 ft
9248	BLACK	UnReel	1000 ft
9248	BLACK	UnReel	305 m
9248 010U1000	BLACK	UnReel	1000 ft
9248	BLACK	UnReel	500 ft
9248	BLACK	UnReel	152 m
9248 010U500	BLACK	UnReel	500 ft
9248	BLACK	Reel	1000 m
9248.00152	BLACK	Reel	152 m
9248.00305	BLACK	Reel	305 m
9248	BLACK	Reel	500 m
9248.00U152	BLACK	UnReel	152 m
9248	BLACK	Reel	305 m
9248	BLACK	Reel	500 m
9248			

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