



Product: [5339Q5](#)

Surveillance CATV MATV, RG-6 #18 BC, Quad Shield, CM

Product Description

Surveillance, CATV & MATV Cable, RG6, Rated-CM, 18 AWG solid bare copper, foam polyolefin core, quad shield-Duofoil® + 60% aluminum braid + Duofoil® + 40% aluminum braid, PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	CATV, MATV
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Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Solid	BC - Bare Copper	0.040 in	1
Conductor Count:				1

Insulation		
Layer	Material	Nominal Diameter
1	PE - Polyethylene (Foam)	0.180 in
Table Notes:		Gas Injected

Color Chart 2

Number
1

Outer Shield				
Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Aluminum		60%
Tape	3	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	4	Aluminum		40%

Outer Jacket	
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.298 in

Electrical Characteristics

Conductor DCR				
Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
6.5 Ohm/1000ft	6.5 Ohm/1000ft		7 Ohm/1000ft	7.0 Ohm/1000ft

Capacitance
Nom. Capacitance Conductor to Shield
16.2 pF/ft

Inductance

Nominal Inductance
0.097 µH/ft

Impedance

Nominal Characteristic Impedance
75 Ohm

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
83 ns/100m	1.24 ns/ft	82%

High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)
5 MHz	0.81 dB/100ft
55 MHz	1.6 dB/100ft
211 MHz	3.08 dB/100ft
270 MHz	3.5 dB/100ft
300 MHz	3.7 dB/100ft
330 MHz	3.89 dB/100ft
400 MHz	4.3 dB/100ft
450 MHz	4.58 dB/100ft
550 MHz	5.09 dB/100ft
750 MHz	6 dB/100ft
870 MHz	6.5 dB/100ft
1000 MHz	7 dB/100ft

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	-40°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	35 lbs/1000ft
Max. Pull Tension:	76 lbs
Min. Bend Radius/Minor Axis:	3 in

Standards

NEC/(UL) Compliance:	CATV, CM
CEC/C(UL) Compliance:	CM
CPR Euroclass:	Eca
RG Type:	6
Series Type:	6

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes

Suitability - Outdoor:	Yes
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Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
IEC Flammability:	IEC 60332-1-2

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6339Q8

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
5339Q5 0101000	Black	Reel	1,000 ft	612825160977
5339Q5 010U1000	Black	UnReel	1,000 ft	612825160960
5339Q5 009U500	White	UnReel	500 ft	612825160946
5339Q5 0091000	White	Reel	1,000 ft	612825160953
5339Q5 009U1000	White	UnReel	1,000 ft	612825160939

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

Notes:	Print legend includes sequential footage marks.
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History

Update and Revision:	Revision Number: 0.440 Revision Date: 04-29-2024
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