



Product: [6339Q8](#)

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

Product Description

Surveillance, CATV & MATV Cable, RG6, Plenum-CMP & CATVP, 18 AWG solid bare copper, foam FEP core, quad shield-Duofoil® + 60% aluminum braid + Duofoil® + 40% aluminum braid, Flamarrest® 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	0.04 in	1

Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.168 in

Color Chart

Number
1
1
1
1
1
1

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Alum / Poly / Alum	Duofoil®	100%
Braid	2	Aluminum		60%
Tape	3	Alum / Poly / Alum	Duofoil®	100%
Braid	4	Aluminum		40%

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.246 in	0.015 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
6.4 Ohm/1000ft	2.5 Ohm/1000ft	25. Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Shield

16.3 pF/ft

Inductance**Nominal Inductance**

0.097 µH/ft

Impedance**Nominal Characteristic Impedance**

75 Ohm

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.24 dB/100ft
3 MHz	0.45 dB/100ft
5 MHz	0.55 dB/100ft
8 MHz	0.70 dB/100ft
10 MHz	0.85 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	6.0 dB/100ft
900 MHz	6.9 dB/100ft
1000 MHz	7.3 dB/100ft

Delay

Max. Delay Skew	Nominal Delay	Nominal Velocity of Propagation (VP) [%]
83 ns/100m	1.22 ns/ft	83%

Voltage**UL Voltage Rating**

300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

UV Resistance:	Yes - Black only
Bulk Cable Weight:	28 lbs/1000ft
Max. Pull Tension:	76 lbs
Min Bend Radius During Installation:	1 in
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	Article 820
NEC/(UL) Compliance:	CATVP, CMP
CEC/C(UL) Compliance:	CMP
RG Type:	6/U Type
Series Type:	6

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01

MII Order #39 (China RoHS):

Yes

Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
6339Q8 8771000	Natural	Reel	1,000 ft	612825176060
6339Q8 877U1000	Natural	UnReel	1,000 ft	612825176053

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.270 Revision Date: 06-24-2020

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