



Part Number: 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, Flammarrest® jacket

Technical Specifications

Product Overview

Suitable Applications:	CATV, MATV
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs	No. of Coax
18	Solid	BC - Bare Copper	0.04 in	1	1
				1	

Conductor Size:	18 AWG
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Insulation

Material	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	0.168 in

Color Chart

Number
1
1
1
1
1
1

Outer Shield Material

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

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flammarrest®	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 μ H/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 Recommended Pulling Tension:	76 lbs
Min Bend Radius/Minor Axis:	2.5 in
Min Bend Radius/Installation:	1 in

Standards

NEC Articles:	820
NEC/(UL) Specification:	CATVP, CMP
CEC/C(UL) Specification:	CMP
RG Type:	6/U Type
Series Type:	Series 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
CA Prop 65 (CJ for Wire & Cable):	Yes
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, LSOH, 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	Footnote
6339Q8 8771000	Natural	C
6339Q8 877U1000	Natural	

Footnote:	C - CRATE REEL PUT-UP.
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