Belden



Product: 6339Q8

Surveillance CATV MATV, RG-6 #18 Sol BC, FFEP Core, Quad Shield, Flamarrest® Jkt, CMP

Product Description

Surveillance, CATV & MATV, RG-6, 18 AWG solid bare copper, foam FEP core, Duofoil® + 60% aluminum braid + Duofoil® + 40% aluminum braid, Low Smoke PVC jacket, CMP, CATVP

Technical Specifications

Product Overview

Suitable Applications:	CATV, MATV

Construction Details

RG Type:	6

Conductor

Size	Stranding	Nom. Diameter	Material
18 AWG	Solid	0.040 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene (Foam)	0.171 in (4.34 mm)	White

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.267 in (6.78 mm)

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
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	1.50 dB/100ft
100 MHz	2.10 dB/100ft
200 MHz	3.10 dB/100ft
400 MHz	4.50 dB/100ft
700 MHz	6.00 dB/100ft
900 MHz	6.90 dB/100ft
1000 MHz	7.30 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
6.4 Ohm/1000ft	2.5 Ohm/1000ft (8.2 Ohm/km)	16.3 pF/ft (53.5 pF/m)	75 Ohm	83%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

Bend Radius

Installation Min.
2.6 in (66 mm)

Max. Pull Tension:	76 lbs (34 kg)
Bulk Cable Weight:	39 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	CATVP, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.597 Revision Date: 09-07-2025

Part Numbers

Variants

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

Footnote:	C - CRATE REEL PUT-UP.

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