



**Product:** [633938](#)

Surveillance CATV MATV, RG-6 #18 Sol BC, FFEP Core, Duofoil® + AL Braid, Flamarrest® Jkt, CMP, CATVP

### Product Description

Surveillance, CATV & MATV, RG6, 18 AWG solid bare copper, foam FEP core, Duofoil® + 90% aluminum braid, Low Smoke PVC jacket, CMP & CATVP

### Technical Specifications

#### Product Overview

Suitable Applications:	CATV, MATV
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#### Construction Details

RG Type:	6
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#### Conductor

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

#### Insulation

Material	Nom. Insulation Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.170 in (4.32 mm)

#### Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Aluminum		90%

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.233 in (5.92 mm)

Overall Cable Diameter (Nominal):	0.233 in (5.92 mm)
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#### 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 (21 Ohm/km)	3.5 Ohm/1000ft (11 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	0°C to +75°C

### Bend Radius

Installation Min.
2.3 in

Max. Pull Tension:	76 lbs (34 kg)
Bulk Cable Weight:	27 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, FT6
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: 0.305 Revision Date: 11-09-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
633938 010U1000	Black	UnReel	1,000 ft	612825176091
633938 008U1000	Gray	UnReel	1,000 ft	612825176077
633938 877500	Natural	Reel	500 ft	612825176121
633938 8771000	Natural	Reel	1,000 ft	612825176114
633938 877U1000	Natural	UnReel	1,000 ft	612825176107
633938 009U1000	White	UnReel	1,000 ft	612825176084

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