



**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	Color Code
FEP - Fluorinated Ethylene Propylene (Foam)	0.170 in (4.32 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		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	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	-20°C to +75°C

### Bend Radius

Installation Min.
2.3 in (58 mm)

Max. Pull Tension:	104 lbs (47.2 kg)
Bulk Cable Weight:	28 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: 0.471 Revision Date: 04-29-2024
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## Part Numbers

### Variants

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

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