Belden



Product: 6139B8

Surveillance CATV MATV, RG-11 #14 Sol BC, FFEP Core, Duofoil® + AL Braid, PVDF Jkt, CMP, CATVP

Product Description

Surveillance, CATV & MATV, RG-11, 14 AWG solid bare copper, foam FEP core, Duofoil® + 60% aluminum braid, PVDF jacket, CMP, CATVP

Technical Specifications

Product Overview

Suitable Applications:	CATV, MATV

Construction Details

RG Type:	11

Conductor

Size	Stranding	Nom. Diameter	Material
14 AWG	Solid	0.064 in	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene (Foam)	0.274 in (6.96 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%

Outer Jacket

Material	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.348 in (8.84 mm)

Overall Cable Diameter (Nominal):	0.348 in (8.84 mm)

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.17 dB/100ft
10 MHz	0.40 dB/100ft
50 MHz	1.00 dB/100ft
100 MHz	1.40 dB/100ft
200 MHz	2.30 dB/100ft
400 MHz	3.70 dB/100ft
700 MHz	5.30 dB/100ft
900 MHz	6.40 dB/100ft
1000 MHz	6.90 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
2.5 Ohm/1000ft	3.8 Ohm/1000ft (12 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
150°C	-20°C to +150°C

Bend Radius

Installation Min.
3.5 in (89 mm)

Max. Pull Tension:	107 lbs (48.5 kg)
Bulk Cable Weight:	58 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: 0.481 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
6139B8 0091000	White	Reel	1,000 ft	612825173816	C

Footnote:	C - CRATE REEL PUT-UP.

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