

Product: [82108](#) 

Life Cycle Status: Discontinued



CATV Video, RG59, #20 BCCS, Foil + 95% Braid, CMP

Product Description

Series 59, 20 AWG solid .032" bare copper-covered steel conductor, plenum, foam FEP insulation, Duofoil® (100% coverage); TC braid shield (95% coverage), Flamarrest® jacket.

Technical Specifications

Product Overview

Suitable Applications:	CATV, Broadband
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Product Life Cycle

Life Cycle:	Discontinued - the product is no longer manufactured
Discontinuation Announcement Date:	2021-09-03

Construction Details

RG Type:	59
Series Type:	59

Conductor

Size	Stranding	Nom. Diameter	Material
20	Solid	0.032 in	BCCS - Bare Copper Covered Steel

Insulation

Material	Nom. Insulation Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.14 in (3.6 mm)

Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Bi-Laminate (Alum+Poly)	Duofoil®	100%
2	Braid	Tinned Copper (TC)		95%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.202 in

Electrical Characteristics

Return Loss

Frequency	Min. Structural Return Loss
10 - 400 MHz	20 dB

Attenuation

Frequency	Nom. Attenuation	Max. Attenuation
10 MHz	0.8 dB/100ft	0.92 dB/100ft
50 MHz	1.8 dB/100ft	2.1 dB/100ft
100 MHz	2.6 dB/100ft	2.9 dB/100ft
200 MHz	3.7 dB/100ft	4.2 dB/100ft
400 MHz	5.4 dB/100ft	5.9 dB/100ft

700 MHz	7.3 dB/100ft	7.9 dB/100ft
900 MHz	8.4 dB/100ft	9 dB/100ft
1000 MHz	8.9 dB/100ft	9.4 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
26 Ohm/1000ft (85 Ohm/km)	2.6 Ohm/1000ft (8.5 Ohm/km)	16.5 pF/ft (54.1 pF/m)	75 Ohm	82%

Voltage

UL Voltage Rating
300 V RMS

Electrical Characteristics Notes:	Max Attenuation 10 MHz and above = 0.2856*Freq(MHz)^0.5065
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Mechanical Characteristics

Temperature

Operating
0°C To +75°C

Max. Pull Tension:	100 lbs (45 kg)
Bulk Cable Weight:	32 lbs/1000ft (48 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	CATVP, CMP
CEC / C(UL) Compliance:	CMP, CXC.
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Teflon« is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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History

Update and Revision:	Revision Number: 0.387 Revision Date: 07-30-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
82108 8771000	Natural	Reel	1,000 ft	612825196099	C
82108 877U1000	Natural	UnReel	1,000 ft	612825358022	

Footnote:	C - CRATE REEL PUT-UP.
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