

**Product:** <u>9104</u> ☑

Tri-Laminate (Alum+Poly+Alum) Duofoil®

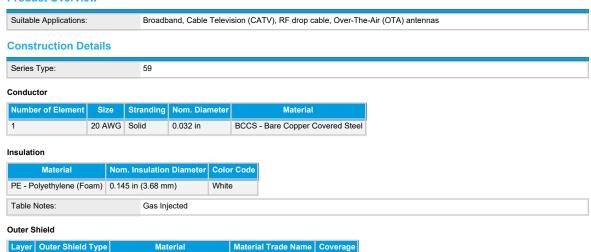
Broadband Coax, Series 59, 20 AWG Solid BCCS, Foil + 65% AL Braid, PVC Jkt, CM

# **Product Description**

Broadband Coax, Series 59, 20 AWG Solid Bare Copper Covered Steel Conductor, PE Insulation, Foil + 65% Aluminum Braid Shield, PVC Jacket, CM

# **Technical Specifications**

## **Product Overview**



# Outer Jacket

Tape

100%

# **Electrical Characteristics**

# Return Loss (RL)

Frequency	Min. Structural Return Loss	
5-1000 MHz	20 dB	

## Attenuation

Frequency	Max. Attenuation
5 MHz	0.86 dB/100ft
55 MHz	2.05 dB/100ft
211 MHz	3.80 dB/100ft
270 MHz	4.22 dB/100ft
300 MHz	4.45 dB/100ft
350 MHz	4.80 dB/100ft
400 MHz	5.10 dB/100ft
450 MHz	5.40 dB/100ft

55	50 MHz	5.95 dB/100ft
7	50 MHz	6.97 dB/100ft
87	70 MHz	7.57 dB/100ft
10	000 MHz	8.12 dB/100ft

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
44.5 Ohm/1000ft (146 Ohm/km)	12 Ohm/1000ft (39 Ohm/km)	16.2 pF/ft (53.1 pF/m)	75 Ohm	83%

#### Voltage

UL Voltage Rating 300 V RMS

# **Mechanical Characteristics**

## Temperature

Operating -40°C To +80°C

## Bend Radius

Stationary Min.	Installation Min.		
2.25 in (57.2 mm)	2.25 in (57.2 mm)		

Max. Pull Tension:	104 lbs (47.2 kg)
Bulk Cable Weight:	23 lbs/1000ft

# **Standards and Compliance**

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CATV, CM
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

# **History**

Update and Revision:	Revision Number: 0.486 Revision Date: 05-01-2023

## **Part Numbers**

## Variants

Item #	Color	Putup Type	Length	UPC
9104 0101000	Black	Reel	1,000 ft	612825224280
9104 010U1000	Black	UnReel	1,000 ft	612825224266
9104 009U1000	White	UnReel	1,000 ft	612825224297
9104 Q5HU1000	White, Neutral	UnReel	1,000 ft	612825224303

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