



Product: [89248](#)

75 Ohm Analog Video Coax, RG-6, 18 AWG Solid BC, Foil + 65% TC Braid, FEP Jkt, CMP

Product Description

75 Ohm Analog Video Coax, RG-6, 18 AWG Solid Bare Copper Conductor , FEP Insulation, Foil + 65% Tinned Copper Braid Shield, FEP Jacket, CMP

Technical Specifications

Product Overview

Suitable Applications:	Standard analog video
------------------------	-----------------------

Construction Details

RG Type:	6
----------	---

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)	0.168 in (4.27 mm)	White

Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Tinned Copper (TC)		65%

Outer Jacket

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.222 in (5.64 mm)

Overall Cable Diameter (Nominal):	0.222 in (5.64 mm)
-----------------------------------	--------------------

Electrical Characteristics

Return Loss (RL)

Frequency	Min. Return Loss
5 - 450 MHz	23 dB

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.3 dB/100ft
10 MHz	0.7 dB/100ft
50 MHz	1.5 dB/100ft
100 MHz	2.1 dB/100ft
200 MHz	3.1 dB/100ft
400 MHz	4.5 dB/100ft
700 MHz	6.0 dB/100ft
900 MHz	6.9 dB/100ft
1000 MHz	7.3 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	5.1 Ohm/1000ft (17 Ohm/km)	16.5 pF/ft (54.1 pF/m)	75 Ohm	82%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

Operating
-70°C to +200°C

Bend Radius

Installation Min.
3.0 in (76 mm)

Max. Pull Tension:	45 lbs (20 kg)
Bulk Cable Weight:	35 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Indoor, Outdoor, UV Resistance, Aerial - When supported by messenger wire
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	9248

History

Update and Revision:	Revision Number: 0.439 Revision Date: 04-29-2024
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
89248 010500	Black	Reel	500 ft	612825220817	C
89248 0101000	Black	Reel	1,000 ft	612825220794	C
89248 0102000	Black	Reel	2,000 ft	612825220800	C

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.