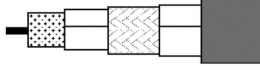




Product: [PRG11D1](#)



PRG11D1 - Broadband Coax, RG11 Type, 15 AWG Solid BC, Tri Shield, 70% TC Braid, LSZH Jkt

Product Description

Broadband Coax, RG11 Type, 15 AWG Solid Bare Copper Conductor, PE Insulation, Duobond Plus® + 70% Tinned Copper Braid Shield, LSZH Jacket

Technical Specifications

Product Overview

Suitable Applications:	Broadband, Cable Television (CATV), RF drop cable, Over-The-Air (OTA) antennas
------------------------	--

Construction Details

RG Type:	11
----------	----

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	15 AWG	Solid	1.55 mm	BC - Bare Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene (Foam)	7.25 mm (0.285 in)

Outer Shield

Layer	Outer Shield Type	Material	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	100%
2	Braid	Tinned Copper (TC)	70%
3	Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	10.1 mm

Table Notes:	According to EN 50290-2-20
--------------	----------------------------

Electrical Characteristics

Regularity of Impedance:	Min. 46 dB
--------------------------	------------

Return Loss (RL)

Frequency	Min. Return Loss
5 - 30 MHz	26 dB
30 - 470 MHz	26 dB
470 - 100 MHz	23 dB
1000 - 2000 MHz	18 dB

Table Notes:	In each frequency band, 3 peak values up to 4 dB lower are allowed
--------------	--

Attenuation

Frequency	Nom. Attenuation
5 MHz	0.9 dB/100m
50 MHz	2.8 dB/100m
100 MHz	3.9 dB/100m

200 MHz	5.7 dB/100m
400 MHz	8.2 dB/100m
600 MHz	10.2 dB/100m
800 MHz	12 dB/100m
1000 MHz	13.6 dB/100m
1350 MHz	16.1 dB/100m
1600 MHz	17.8 dB/100m
1750 MHz	18.7 dB/100m
2150 MHz	21.1 dB/100m
2400 MHz	22.5 dB/100m
3000 MHz	25.2 dB/100m

Table Notes: Max. attenuation 10% higher

Electricals

Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
9.4 Ohm/km (2.9 Ohm/1000ft)	7.0 Ohm/km (2.1 Ohm/1000ft)	55 pF/m (17 pF/ft)	75 Ohm	81%

Transfer Impedance

Max. Transfer Impedance
Max. 2.5 mOhm/m
Typ. 1.9 mOhm/m

Screening

Frequency	Min. Screening Attenuation
30 - 1000 MHz	95 dB

Screening Class: A+

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-30°C To +70°C	-5°C To +50°C	-30°C To +70°C

Bend Radius

Stationary Min.
100 mm (3.9 in)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
CENELEC Compliance:	EN 50117-1, EN 50117-9-2, EN 50290-2-20
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision: Revision Number: 0.288 Revision Date: 02-03-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
PRG11D1.00250	Black	Reel	250 m	8719605106315
PRG11D1.00500	Black	Reel	500 m	8719605106322

© 2025 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.