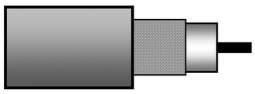
Belden

Product: MRG2132



MRG2132 - Mil-Spec Coax, 50 Ohm, RG-213, 13 AWG Str BC, 95% BC Braid, LSZH Jkt, Commercial

Product Description

Mil-Spec Coax, 50 Ohm, RG-213, 13 AWG (7x21) Bare Copper Conductor, PE Insulation, 95% Bare Copper Braid Shield, LSZH Jacket (Non-Contaminating), Commercial

Technical Specifications

Product Overview

Suitable Applications:	Point-to-point and point-to-multipoint wireless antenna communication; Wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low Power FM, GPS, RFID (Radio Frequency Identification)

Construction Details

RG Type:	213

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	13 AWG	Stranded	2.25 mm	BC - Bare Copper

Insulation

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

Outer Shield

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	92%

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	10.3 mm

Outer Jacket1 Table Notes:	According to EN 50290-2-20

Electrical Characteristics

Regularity of Impedance:	Min. 46 dB

Return Loss

Frequency	Min. Return Loss
100 - 400 MHz	28.5 dB
400 - 900 MHz	23.5 dB

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

Attenuation

Frequency	Nom. Attenuation
5 MHz	1.5 dB/100m
50 MHz	4.6 dB/100m
100 MHz	6.6 dB/100m
230 MHz	10.4 dB/100m
400 MHz	14.1 dB/100m
800 MHz	21.1 dB/100m

862 MHz	22.1 dB/100m
1000 MHz	24.1 dB/100m
1350 MHz	29 dB/100m
1750 MHz	34.3 dB/100m
2150 MHz	39.1 dB/100m
2400 MHz	42.4 dB/100m

Attenuation 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.
6 Ohm/km (1.8 Ohm/1000ft)	5.5 Ohm/km (1.7 Ohm/1000ft)	100 pF/m (30 pF/ft)	50 Ohm	66%

Voltage

Voltage Rating
3000 V DC

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.
50 mm (2.0 in)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
ISO/IEC Compliance:	IEC 61196
CENELEC Compliance:	EN 50117-1, EN 50117-9-1, 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: 0.266 Revision Date: 02-20-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
MRG2132.00100	Black	Reel	100 m	8719605103055
MRG2132.00500	Black	Reel	500 m	8719605103079

© 2026 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.