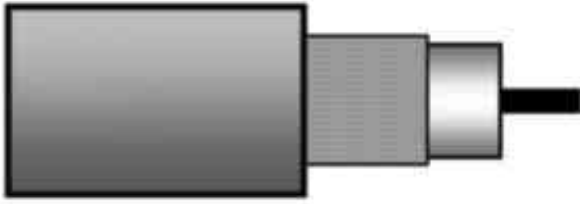


## MRG2130

Part Number: MRG2130

COAX RF RG 213 PVC



## Product Description

COAX RF RG 213 PVC

## Product Specifications

### Application

Application 1:	Coaxial cable used in cable broadband communication networks designed according the European Standard EN 50117-1
Application 2:	Operating at frequencies between 5 MHz and 3000 MHz
Application 3:	Designed for in building applications

## Technical Specifications

### Bend Radius

Min Bend Radius (W/o Pulling Strength):	50 mm
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### CCB-Sub-Material

Min Elongation at Break of Jacket:	150 MPa
Min Tensile Strength of Jacket:	12.5 lbs

### EMEA Standard

CENELEC Compliance:	EN 50117-2-1, EN 50117-1 and EN 50290-2-20
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### Environmental Characteristics

Operating Temp Range:	-40 to +70 °C
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Storage Temp Range:	-40 to +70 °C
Installation Temp Range:	-5 to +50 °C

## General Electrical Parameters

Min Insulation Resistance:	10000 mOhm/1000ft
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## Global Standard

ISO/IEC Compliance:	IEC 1196
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## History

Revision Date:	2012-12-11
Revision Number:	6

## Impedance:

Nominal Characteristic Impedance		
50 mOhm/ft	2 Ohm	Min. 46 dB

## Conductor DCR:

Max. Conductor DCR	Max. Shield DCR
6 Ohm/100m	5.5 Ohm/km

## Delay:

Nominal Velocity of Propagation (VP)
66 ns/100m

## Voltage:

Voltage Test Dielectric
3 kV DC

## High Freq:

Element	Frequency [MHz]	Min. RL (Return Loss)
	100 - 400 MHz	28.5 dB
	400 - 900 MHz	23.5 dB

In each frequency band, 3 peak values up to 4 dB lower are allowed

## Capacitance:

Capacitance Tolerance	Nominal Capacitance
3 pF/m	100 pF/m

**High Frequency (Nominal/Typical):**

Element	Frequency (MHz)	Nom. Insertion Loss
	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	21.1 db/100m
	862	22.1 db/100m
	1000	24.1 db/100m
	1350	29 db/100m
	1750	34.3 db/100m
	2150	39.1 db/100m
	2400	42.4 db/100m
Max. attenuation 10% higher		

**Insulation:**

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	Polyethylene	7.25 mm	0.2 mm

**Outerjacket 1:**

Material	Nominal Diameter	Diameter +/- Tolerance
PVC	10.3 mm	0.3 mm

**Conductor:**

Stranding	Material	ConstructionNXD	Nominal Diameter	Diameter +/- Tolerance
Stranded	Bare Copper	7x0.75 mm	2.25 in	0.03 mm

**Outershield 1:**

Type	Material	Coverage	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Braid	Bare copper	92 %	8 mm	0.25 mm	5 %

## Product Variants

Part Number	Color	Put-Up Type	Length
MRG2130.001000	BLACK	Reel	1000 m
MRG2130.00100	BLACK	Reel	100 m
MRG2130.00102	BLACK	Reel	102 m
MRG2130.00250	BLACK	Reel	250 m
MRG2130.00252	BLACK	Reel	252 m
MRG2130.00305	BLACK	Reel	305 m
MRG2130.00500	BLACK	Reel	500 m
MRG2130.00C100	BLACK	Coil	100 m
MRG2130.01500	BLACK	Reel	500 m
MRG2130.02500	BLACK	Reel	500 m
MRG2130.K01000	BLACK	Reel	1000 m

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