



9913

Coax - RG-8/U Type

Description

10 AWG solid .108" bare copper conductor, semi-solid polyethylene insulation, Duobond II® + tinned copper braid shield (90% coverage), PVC jacket.

Put Ups and Colours

Item #	Putup	Ship Weight	Colour	Notes	Item Description
9913 010100	100 FT	14.200 LB	BLACK	C	RG-8/U TYPE COAX BLK
9913 0101000	1,000 FT	116.000 LB	BLACK	C	RG-8/U TYPE COAX BLK
9913 010250	250 FT	31.750 LB	BLACK	C	RG-8/U TYPE COAX BLK
9913 010500	500 FT	57.000 LB	BLACK	C	RG-8/U TYPE COAX BLK

Notes:

C = Create Reel Put-up

Physical Characteristics (overall)

Conductor – AWG

# Coax	AWG	Stranding	Conductor Material	Dia. (In.)
1	10	Solid	BC – Bare Copper	0.108

Insulation – Insulation Material

Ins Material	Dia. (In.)
Semi-Solid PE – Semi Polyethylene	0.286

Outer Shield – Outer Shield Material

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Beldfold®	Tape	Aluminium Foil-Polyester Tape-Aluminium Foil	100
2		Braid	TC – Tinned Copper	90

Outer Jacket – Outer Jacket Material

Outer Jacket Material
PVC – Polyvinylchloride

Overall Cabling – Overall Nominal Diameter: 0.405 in.

Mechanical Characteristics (overall)

Operating Temperature Range	-40°C to +80°C
UL Temperature Range	75°C
Bulk Cable Weight	97 lbs/1000ft
Max. Recommended Pulling Tension	300 lbs
Min. Bend Radius (Install)/Minor Axis	6 In.

Applicable Specifications and Agency Compliance (overall)

Application

EU CE Mark	
EU RoHS Compliant (commence date: dd/mm/yyyy)	(01/01/2004)
RG Type	8/U

Suitability

Suitability - Indoor
Suitability – Outdoor
Suitability – Aerial

Plenum/Non-Plenum

Plenum	
Plenum Numer	89913

Electrical Characteristics (overall)

Nom. Characteristics Impedance

Impedance (Ohm.)
50.000

Nom. Inductance

Inductance (µH/ft)
0.059

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
24.600

Nominal Velocity of Propagation

VP (%)

84

Nominal Delay

Delay (ns/ft)

1.200

Nominal Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)

0.900

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)

1.800

Nominal Attenuation

Freq. (MHz)	Attenuation (dB/100 ft.)
5.000	0.400
10.000	0.500
50.000	1.000
100.000	1.400
200.000	1.800
400.000	2.600
700.000	3.600
900.000	4.100
1000.000	4.400

Max. Power Rating

Freq. (MHz)	Rating (W)
5.000	4021.000
10.000	3217.000
50.000	1609.000
100.000	1149.000
200.000	894.000
400.000	619.000
700.000	447.000
900.000	393.000
1000.000	366.000

Max. Operating Voltage – UL

Voltage

300 V RMS

Note

Recommend use of 7810R, 7810A, 9913F7, or 9914 for applications above 1 GHz.