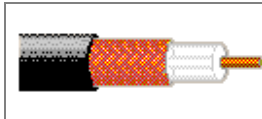


8241 Coax - 75 Ohm Coax



For more Information
 please call
 1-800-Belden1



Description

23 AWG Solid .023" bare copper or bare copper-covered steel conductor, polyethylene insulation, bare copper braid shield (95% coverage), PVC jacket.

Physical Characteristics (Overall):

Conductor:

AWG

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	23	Solid	BCCS - Bare Copper Covered Steel	0.023

Insulation:

Insulation Material

Insulation Material	Dia. (in.)
PE - Polyethylene	0.146

Outer Shield:

Outer Shield Material

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

Outer Jacket:

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling:

Overall Nominal Diameter: .240 in.

Mechanical Characteristics (Overall):

Operating Temperature Range	-40°C To +75°C
UL Temperature Rating	75°C
Non-UL Temperature Rating	75°C
Bulk Cable Weight:	36 lbs/1000 ft.
Max. Recommended Pulling Tension:	62 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

Applicable Specifications and Agency Compliance (Overall):

Applicable Standards:

NEC/(UL) Specification	CM
AWM Specification	UL Style 1354
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004
RG Type	59/U

Flame Test:

UL Flame Test	UL1685 UL Loading
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Suitability:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes - Black Only
Suitability - Aerial	Yes - Black Only, when supported by a messenger wire.

Plenum/Non-Plenum:

Plenum (Y/N)	No
Plenum Number	88241, 82241

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
75.000

Nom. Inductance

Inductance (µH/ft)
0.131

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
20.500

Nominal Velocity of Propagation

VP (%)
66

Nominal Delay

Delay (ns/ft)
1.540

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
49.000

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
2.600

Nom. Attenuation

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.600
10.000	1.100
50.000	2.400
100.000	3.400
200.000	4.900
400.000	7.000
700.000	9.700
900.000	11.100
1000.000	12.000

Nom. Power Rating

Freq. (MHz)	Rating (W)
50.000	470.000
100.000	310.000
300.000	160.000
500.000	115.000
1000.000	76.000

Max. Operating Voltage - UL

Voltage
300 V RMS
30 V RMS

Max. Operating Voltage - Non-UL

Voltage
 1700 V RMS

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8241 002U1000	1,000 FT	38.000 LB	RED		RG59/U TYPE COAX RED RED
8241 003U1000	1,000 FT	38.000 LB	ORANGE		RG59/U TYPE COAX ORG ORG
8241 004U1000	1,000 FT	38.000 LB	YELLOW		RG59/U TYPE COAX YEL YEL
8241 005U1000	1,000 FT	38.000 LB	GREEN, DARK		RG59/U TYPE COAX DGRN GRNDK
8241 006U1000	1,000 FT	38.000 LB	BLUE, LIGHT		RG59/U TYPE COAX LBLU BLULT
8241 009U1000	1,000 FT	38.000 LB	WHITE		RG59/U TYPE COAX WHT WHT
8241 010100	100 FT	4.400 LB	BLACK		RG59/U TYPE COAX BLK BLK
8241 0101000	1,000 FT	40.000 LB	BLACK	C	RG59/U TYPE COAX BLK BLK
8241 0102000	2,000 FT	80.000 LB	BLACK	C	RG59/U TYPE COAX BLK BLK
8241 010500	500 FT	18.500 LB	BLACK	C	RG59/U TYPE COAX BLK BLK
8241 0105000	5,000 FT	200.000 LB	BLACK	C	RG59/U TYPE COAX BLK BLK
8241 010U1000	1,000 FT	38.000 LB	BLACK		RG59/U TYPE COAX BLK BLK
8241 010U500	500 FT	19.500 LB	BLACK		RG59/U TYPE COAX BLK BLK

Notes:

C = CRATE REEL PUT-UP.

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