



Description:

RG-62/U type, 22 AWG solid .025" bare copper-covered steel conductor, plenum, foamed FEP insulation, bare copper braid shield (94% coverage), FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	Solid	BCCS - Bare Copper Covered Steel	.025

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	.146

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	94

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

Overall Cabling

Overall Nominal Diameter: 0.204 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

UL Temperature Rating: 200°C

Bulk Cable Weight: 34.800 lbs/1000 ft.

Max. Recommended Pulling Tension: 65 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
RG Type:	62/U

Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

93

Nom. Inductance:

Inductance (µH/ft)

0.018

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

12.5

Nominal Velocity of Propagation:

VP (%)

85

Nominal Delay:

Delay (ns/ft)

1.198

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

41.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.4

Nom. Attenuation:

Freq. (MHz) Attenuation (dB/100 ft.)

1	0.3
10	0.9
50	1.9
100	2.7
200	3.8
400	5.3
700	7.3
900	8.2
1000	8.7

Max. Operating Voltage - UL:

Voltage

300 V RMS

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
86262 0091000	1,000 FT	32.000 LB	WHITE	C	#22 COAX RG-62/U TYPE
86262 009500	500 FT	16.000 LB	WHITE	C	#22 COAX RG-62/U TYPE

Notes:

C = CRATE REEL PUT-UP.

Computer and Instrumentation Cable

93 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

RG-62/U Type • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (94% Coverage)

Plenum • Semi-solid FEP Teflon® Insulation • Black or White Tint FEP Jacket

200°C	89269	NEC: 100 [▲]	30.5	5.2	2.4	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP 500	152.4	16.5	7.5	(solid)			94% Shield							10	.9	3.0
		CEC: 1000	304.8	33.0	15.0	.025"			Coverage							50	1.9	6.2
		CMP FT6				BCCS			3.4Ω/M'							100	2.7	8.9
						41.2Ω/M'			11.2Ω/km							200	3.8	12.5
						135.2Ω/km										400	5.3	17.4
																700	7.3	23.9
																900	8.2	26.9
																1000	8.7	28.5

▲100 ft. put-up available in Black only.
Suitable for Outdoor and Direct Burial applications.

Plenum • Semi-solid FEP Teflon Insulation • Gray Fluorocopolymer Jacket

150°C	87269	NEC: 1000	304.8	34.0	15.4	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP				(solid)			94% Shield							10	.9	3.0
		CEC: 1000	304.8	33.0	15.0	.025"			Coverage							50	1.9	6.2
		CMP FT6				BCCS			3.4Ω/M'							100	2.7	8.9
						41.2Ω/M'			11.2Ω/km							200	3.8	12.5
						135.2Ω/km										400	5.3	17.4
																700	7.3	23.9
																900	8.2	26.9
																1000	8.7	28.5

Suitable for Outdoor and Direct Burial applications.

Plenum • Semi-solid FEP Teflon Insulation • Natural Flamarrest® Low-smoke Jacket

75°C	82269	NEC: 1000	304.8	30.0	13.6	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP				(solid)			94% Shield							10	.9	3.0
		CEC: 1000	304.8	30.0	13.6	.025"			Coverage							50	1.9	6.2
		CMP FT6				BCCS			3.4Ω/M'							100	2.7	8.9
						41.2Ω/M'			11.2Ω/km							200	3.8	12.5
						135.2Ω/km										400	5.3	17.4
																700	7.3	23.9
																900	8.2	26.9
																1000	8.7	28.5

Plenum • Foam FEP Teflon Insulation • White Tint FEP Jacket

200°C	86262	NEC: 500	152.4	16.0	7.3	22 AWG	.146	3.71	BC Braid	.204	5.18	93	85%	12.5	41.0	1	.3	1.8
		CMP 1000	304.8	32.0	14.5	(solid)			94% Shield							10	.9	3.0
		CEC: 1000	304.8	32.0	14.5	.025"			Coverage							50	1.9	6.2
		CMP FT6				BCCS			3.4Ω/M'							100	2.7	8.9
						41.2Ω/M'			11.2Ω/km							200	3.8	12.5
						135.2Ω/km										400	5.3	17.4
																700	7.3	23.9
																900	8.2	26.9
																1000	8.7	28.5

Suitable for Outdoor and Direct Burial applications.

Plenum • Foam FEP Teflon Insulation • Natural Flamarrest Jacket

75°C	82262	NEC: U-1000	U-304.8	31.0	14.1	22 AWG	.146	3.71	BC Braid	.204	5.18	93	85%	12.5	41.0	1	.3	1.8
		CMP 1000	304.8	30.0	13.6	(solid)			94% Shield							10	.9	3.0
		CEC: 1000	304.8	30.0	13.6	.025"			Coverage							50	1.9	6.2
		CMP FT6				BCCS			3.4Ω/M'							100	2.7	8.9
						41.2Ω/M'			11.2Ω/km							200	3.8	12.5
						135.2Ω/km										400	5.3	17.4
																700	7.3	23.9
																900	8.2	26.9
																1000	8.7	28.5

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Teflon is a DuPont trademark.