



Description:

RG-62/U type, 22 AWG solid .025" bare copper-covered steel conductor, plenum, semi-solid 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®	Semi-Solid FEP - Semi-Solid Fluorinated Ethylene-Propylene	.142

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: 0.200 in.

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 200°C

Bulk Cable Weight: 33 lbs/1000 ft.

Max. Recommended Pulling Tension: 84 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.500 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
Non-Plenum Number:	9269

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
93

Nom. Inductance:

Inductance (µH/ft)
0.111

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
12.8

Nominal Velocity of Propagation:

VP (%)
85

Nominal Delay:

Delay (ns/ft)
1.197

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
89269 0091000	1,000 FT	33.000 LB	WHITE	C	#22 COAX FEP RG62A/U
89269 010100	100 FT	5.200 LB	BLACK		#22 COAX FEP RG62A/U
89269 0101000	1,000 FT	33.000 LB	BLACK	C	#22 COAX FEP RG62A/U
89269 010500	500 FT	16.500 LB	BLACK	C	#22 COAX FEP RG62A/U

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: CMP CEC: CMP FT6	100 [▲] 500 1000	30.5 152.4 304.8	5.2 16.5 33.0	2.4 7.5 15.0	22 AWG (solid) .025"	.142	3.61	BC Braid 94% Shield Coverage	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
										BCCS 3.4Ω/M' 41.2Ω/M' 135.2Ω/km							10	.9	3.0
																	50	1.9	6.2
																	100	2.7	8.9
																	200	3.8	12.5
																	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: CMP CEC: CMP FT6	1000	304.8	34.0	15.4	22 AWG (solid) .025"	.142	3.61	BC Braid 94% Shield Coverage	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
										BCCS 3.4Ω/M' 41.2Ω/M' 135.2Ω/km							10	.9	3.0
																	50	1.9	6.2
																	100	2.7	8.9
																	200	3.8	12.5
																	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: CMP CEC: CMP FT6	1000	304.8	30.0	13.6	22 AWG (solid) .025"	.142	3.61	BC Braid 94% Shield Coverage	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
										BCCS 3.4Ω/M' 41.2Ω/M' 135.2Ω/km							10	.9	3.0
																	50	1.9	6.2
																	100	2.7	8.9
																	200	3.8	12.5
																	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: CMP CEC: CMP FT6	500 1000	152.4 304.8	16.0 32.0	7.3 14.5	22 AWG (solid) .025"	.146	3.71	BC Braid 94% Shield Coverage	.204	5.18	93	85%	12.5	41.0	1	.3	1.8
										BCCS 3.4Ω/M' 41.2Ω/M' 135.2Ω/km							10	.9	3.0
																	50	1.9	6.2
																	100	2.7	8.9
																	200	3.8	12.5
																	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: CMP CEC: CMP FT6	U-1000 1000	U-304.8 304.8	31.0 30.0	14.1 13.6	22 AWG (solid) .025"	.146	3.71	BC Braid 94% Shield Coverage	.204	5.18	93	85%	12.5	41.0	1	.3	1.8
										BCCS 3.4Ω/M' 41.2Ω/M' 135.2Ω/km							10	.9	3.0
																	50	1.9	6.2
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BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Teflon is a DuPont trademark.