

50 Ohm Transmission and Computer Cable

RG-188A/U, RG-174/U and RG-58/U Type

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-174/U Type • 26 AWG Stranded (7x34) .019" Bare Copper-covered Steel Conductor • Tinned Copper Braid Shield (90% Coverage)

Polyethylene Insulation • Black PVC Jacket

UL AWM Style 1354 (30V 75°C)	8216	—	100	30.5	1.1	.5	26 AWG (7x34)	.060	1.52	TC Braid	.110	2.79	50	66%	30.8	101.0	1	1.9	6.2
			500	152.4	5.0	2.3				90% Shield							10	3.3	10.8
			1000††	304.8	9.0	4.1	.019"			Coverage							50	5.8	19.0
							BCCS			10.7Ω/M'							100	8.4	27.6
							97.0Ω/M'			35.1Ω/km							200	12.5	41.0
							318.2Ω/km										400	19.0	62.3
																	700	27.0	88.6
																	900	31.0	101.7
																	1000	34.0	111.5



RG-188A/U Type • 26 AWG Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • SPC Braid Shield (96% Coverage)

TFE Teflon® Insulation • White TFE Tape Jacket

200°C VW-1	83269	—	100†	30.5	2.0	.9	26 AWG (7x34)	.058	1.47	SPC Braid	.098	2.49	50	69.5%	29.0	95.1	1	1.2	3.9
			500†	152.4	6.5	2.9	.020"			96% Shield							10	2.7	8.9
			1000†	304.8	12.0	5.5				Coverage							50	5.6	18.4
							SCCCS			8.5Ω/M'							100	8.3	27.2
							91.2Ω/M'			27.9Ω/km							200	12.0	39.4
							299.2Ω/km										400	17.5	57.4
																	700	23.7	77.8
																	900	27.3	89.6
																	1000	29.0	95.1

MIL-C-17D

RG-58/U Type • 20 AWG Solid .033" Bare Copper Conductor • Bare Copper Braid Shield (78% Coverage)

Polyethylene Insulation • Black PVC Jacket

80°C	9201	—	U-500	U-152.4	13.0	5.9	20 AWG (solid)	.116	2.95	BC Braid	.193	4.90	51.5	66%	28.5	93.5	1	.3	1.1
			500	152.4	11.5	5.2	.033"			78% Shield							10	1.1	3.6
			U-1000	U-304.8	25.0	11.4				Coverage							50	2.5	8.2
			1000	304.8	23.0	10.4	BC			5.5Ω/M'							100	3.8	12.5
							10.0Ω/M'			18.0Ω/km							200	5.6	18.4
							33.1Ω/km										400	8.4	27.6
																	700	11.7	38.4
																	900	13.7	44.9
																	1000	14.5	47.6

RG-58/U Type • 20 AWG Solid .033" Bare Copper Conductor • Duobond® II + Tinned Copper Braid Shield (55% Coverage)

Polyethylene Insulation • Black PVC Jacket

UL AWM Style 1354 (30V 60°C)	9310**	—	500	152.4	10.5	4.8	20 AWG (solid)	.114	2.90	Duobond II* + 55%	.193	4.90	50	66%	30.8	101.0	1	.5	1.5
			U-1000	U-304.8	22.0	10.0	.033"			TC Braid							10	1.4	4.6
			1000	304.8	21.0	9.5				Coverage							50	2.8	9.2
							BC			8.0Ω/M'							100	3.8	12.5
							9.4Ω/M'			24.4Ω/km							200	5.4	17.7
							28.6Ω/km										400	7.9	25.9
																	700	11.1	36.4
																	900	12.8	42.0
																	1000	13.9	45.6

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SCCCS = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper • TC = Tinned Copper • TFE = Tetra Fluoroethylene
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

**See Belden's website, www.belden.com, for connector information.

† May contain more than one piece, min. length of any one piece is 25 ft.

†† May contain more than one piece, min. length of any one piece is 100 ft. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

BELDEN

For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

50 Ohm Transmission and Computer Cable

RG-58A/U Type

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-58A/U Type • 20 AWG Stranded (19x32) .037" Tinned Copper Conductor • Tinned Copper Braid Shield (96% Coverage)

Foam Polyethylene Insulation • Black or White PVC Jacket

UL AWM Style 1354 (30V 80°C)	8219	NEC: CM CEC: CM	U-500 500 [▲] U-1000 [▲] 1000	U-152.4 152.4 U-304.8 304.8	13.5 13.0 27.0 26.0	6.1 6.0 12.3 11.8	20 AWG (19x32) .037" TC 8.8Ω/M' 28.9Ω/km	.114 2.90	2.90	TC Braid 96% Shield Coverage 4.1Ω/M' 13.4Ω/km	.194 4.93	4.93 53.5	53.5	73%	26.5 86.9	1 10 50 100 200 400 700 900 1000	.4 1.3 3.1 4.5 6.6 10.0 14.2 16.6 18.1	1.2 4.3 10.2 14.8 21.7 32.8 46.6 54.5 59.4
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P-MSHA • SC-182/5**

*500 ft. and U-1000 ft. put-ups available in Black only. Black jacket suitable for Aerial (when supported by a messenger) and Outdoor applications.

RG-58A/U Type • 20 AWG Stranded (19x32) .037" Tinned Copper Conductor • Duobond® II* + Tinned Copper Braid Shield (55% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket

UL AWM Style 1354 (30V 80°C)	9311**	NEC: CM CEC: CM	500 U-1000 1000	152.4 U-304.8 304.8	10.5 23.0 21.0	4.8 10.5 9.5	20 AWG (19x32) .037" TC 8.8Ω/M' 28.9Ω/km	.114 2.90	2.90	Duobond II* + 55% TC Braid 17.0Ω/M' 55.8Ω/km	.193 4.90	4.90 52	52	75%	26.0 85.3	1 10 50 100 200 400 700 900 1000	.5 1.5 2.9 4.0 5.7 8.5 12.2 14.5 15.8	1.6 4.9 9.5 13.1 18.7 27.9 40.0 47.6 51.8
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RG-58A/U Type • 20 AWG Stranded (19x33) .035" Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black PVC Jacket

75°C	8259	—	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.5 6.1 13.5 25.0 26.0	1.6 6.4 6.1 11.3 11.8	20 AWG (19x33) .035" TC 10.8Ω/M' 35.4Ω/km	.116 2.95	2.95	TC Braid 95% Shield Coverage 4.1Ω/M' 13.4Ω/km	.192 4.88	4.88 50	50	66%	30.8 101.0	1 10 50 100 200 400 700 900 1000	.4 1.5 3.7 5.4 8.1 12.4 17.7 21.1 22.8	1.4 4.9 12.1 17.7 26.6 40.7 58.1 69.2 74.8
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Suitable for Aerial (when supported by a messenger) and Outdoor applications.

RG-58A/U Type • 20 AWG Solid Bare Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black PVC Jacket

UL AWM Style 1354 (30V 80°C) VW-1	8240	NEC: CMX CEC: CMX	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.6 6.4 5.9 12.3 11.8	1.6 6.4 5.9 12.3 11.8	20 AWG (solid) .033" BC 10.0Ω/M' 32.8Ω/km	.116 2.95	2.95	TC Braid 95% Shield Coverage 4.1Ω/M' 13.4Ω/km	.193 4.90	4.90 51.5	51.5	66%	28.5 93.5	1 10 50 100 200 400 700 900 1000	.3 1.1 2.5 3.8 5.6 8.4 11.7 13.7 14.5	1.1 3.6 8.2 12.5 18.4 27.6 38.4 44.9 47.6
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Suitable for Aerial (when supported by a messenger) and Outdoor applications.

Plenum • FEP Teflon® Insulation • Black FEP Teflon Jacket

200°C	88240	NEC: CMP CEC: CMP FT6	500 [†] 1000 [†]	152.4 304.8	12.0 24.0	5.4 10.9	20 AWG (solid) .032" BC 10.2Ω/M' 33.5Ω/km	.107 2.72	2.72	TC Braid 95% Shield Coverage 6.7Ω/M' 22.0Ω/km	.159 4.04	4.04 53.5	53.5	69.5%	26.4 86.6	1 10 50 100 200 400 700 900 1000	.5 1.2 3.0 4.3 6.4 9.7 13.7 16.1 17.3	1.6 3.9 9.8 14.2 21.0 31.7 45.0 52.8 56.6
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Plenum • FEP Teflon Insulation • Natural Flamarrest® Jacket

75°C	82240	NEC: CMP CEC: CMP FT6	U-500 [†] 1000 [†]	U-152.4 304.8	13.5 26.0	6.1 11.8	20 AWG (solid) .032" BC 10.2Ω/M' 33.5Ω/km	.107 2.72	2.72	TC Braid 95% Shield Coverage 6.7Ω/M' 22.0Ω/km	.159 4.04	4.04 53.5	53.5	69.5%	26.4 86.6	1 10 50 100 200 400 700 900 1000	.5 1.2 3.0 4.3 6.4 9.7 13.7 16.1 17.3	1.6 3.9 9.8 14.2 21.0 31.7 45.0 52.8 56.6
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BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

**Pennsylvania Department of Environmental Resource and United States Mine Safety and Health Administration certification.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotation of RG/U cables not listed.See Belden's website, www.belden.com, for connector information.

Teflon is a DuPont trademark.

For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**
Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

50 Ohm Transmission and Computer Cable

RG-8X and RG-8/U Type

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-8X Type • 16 AWG Stranded (19x29) .058" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

Gas-injected FPE Insulation • Black PVC Jacket

UL AWM	9258	NEC:	U-500	U-152.4	20.0	9.1	16 AWG	.155	3.94	BC Braid	.242	6.15	50	82%	24.8	75.6	1	.3	1.0
Style 1354		CMH:	500	152.4	18.5	8.4	(19x29)			95% Shield							10	.9	3.0
(30V 80°C)		CEC:	U-1000	U-304.8	39.0	17.7	.058"			Coverage							50	2.1	6.9
		CM	1000	304.8	40.0	18.2	BC			3.3Ω/M'							100	3.1	10.2
							4.3Ω/M'			10.8Ω/km							200	4.5	14.8
						14.1Ω/km										400	6.6	21.7	
																700	9.1	29.9	
																900	10.7	35.1	
																1000	11.2	36.7	

*1000 ft. put-up also available in White.
Suitable for Outdoor and Aerial applications.

RG-8/U Type • 13 AWG Stranded (7x21) .085" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

Polyethylene Insulation • Black PVC Jacket

75°C	8237	NEC:	100	30.5	13.6	6.2	13 AWG	.285	7.24	BC Braid	.405	10.29	52	66%	28.5	93.5	1	.2	.5
		CMH:	500	152.4	58.0	26.3	(7x21)			97% Shield							10	.6	1.8
		CEC:	1000	304.8	114.0	51.7	.085"			Coverage							50	1.3	4.3
		CMH FT1					BC			1.2Ω/M'							100	1.9	6.2
							1.9Ω/M'			3.9Ω/km							200	2.8	9.2
						6.2Ω/km										400	4.2	13.8	
																700	5.9	19.4	
																900	6.9	22.6	
																1000	7.4	24.3	
																4000	23.2	76.1	

JAN-C-17A
Suitable for Outdoor and Aerial applications.

Polyethylene Insulation • Black Non-contaminating PVC Jacket

UL AWM	9251	NEC:	500	152.4	58.0	26.3	13 AWG	.285	7.24	BC Braid	.405	10.29	52	66%	28.5	93.5	1	.2	.5
Style 1354		CMX:	1000	304.8	115.0	52.3	(7x21)			97% Shield							10	.6	1.8
(30V 60°C)		CEC:					.085"			Coverage							50	1.3	4.3
		CMX					BC			1.2Ω/M'							100	1.9	6.2
							1.9Ω/M'			3.9Ω/km							200	2.8	9.2
						6.2Ω/km										400	4.2	13.8	
																700	5.9	19.4	
																900	6.9	22.6	
																1000	7.4	24.3	
																4000	23.2	76.1	

MIL-C-17D

RG-8/U Type • 11 AWG Stranded (7x19) .108" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket

UL AWM	8214	NEC:	100	30.5	14.2	6.5	11 AWG	.285	7.24	BC Braid	.403	10.24	50	78%	26	85.3	1	.1	.5
Style 1354		CM	500	152.4	61.0	27.7	(7x19)			97% Shield							10	.5	1.7
(30V 80°C)		CEC:	1000	304.8	121.0	55.0	.108"			Coverage							50	1.2	3.9
		CM					BC			1.1Ω/M'							100	1.7	5.6
							1.2Ω/M'			3.6Ω/km							200	2.6	8.5
						3.9Ω/km										400	3.9	12.8	
																700	5.6	18.4	
																900	6.5	21.3	
																1000	7.0	23.0	
																4000	21.5	70.5	

Suitable for Outdoor and Aerial applications.

BC = Bare Copper • DCR = DC Resistance • FPE = Foam Polyethylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.


50 Ohm Transmission and Computer Cable

RG-8/U Type

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-8/U Type • 10 AWG Solid .108" Bare Copper Conductor • Duobond® II + Tinned Copper Braid Shield (90% Coverage)

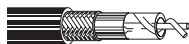
Semi-solid Polyethylene Insulation • Black PVC Jacket

Low Loss 80°C 	9913	—	100	30.5	14.2	6.4	10 AWG	.286	7.26	Duobond II*	.405	10.29	50	84%	24.6	80.7	1	.3	1.0
			250	76.2	31.8	14.4	(solid)		+ 90%			10	.5	1.7					
			500	152.4	57.0	25.9	.108"		TC Braid			50	1.0	3.3					
			1000	304.8	116.0	52.6	BC		1.8Ω/M'			100	1.4	4.6					
							.9Ω/M'		5.9Ω/km			200	1.8	6.0					
							3.0Ω/km					400	2.6	8.5					

For Plenum version of 9913, see 89913.


Suitable for Outdoor and Aerial applications.

Plenum • Semi-solid FEP Insulation • Black Fluorocopolymer Jacket

150°C 	89913	NEC:	500†	152.4	63.0	28.6	10 AWG	.295	7.49	Duobond II*	.364	9.25	50	83%	25.0	82.0	1	.1	.3
		CMP:	1000†	304.8	128.0	58.2	(solid)		+ 90%		10	.4	1.3						
		CEC:					.108"		TC Braid		50	1.0	3.3						
		CMP FT6					BC		1.8Ω/M'		100	1.6	5.2						
							.9Ω/M'		5.9Ω/km		200	2.3	7.5						
							3.0Ω/km				400	3.4	11.1						

RG-8/U Type • 10 AWG Stranded (7x19) .108" Bare Copper Conductor • Duobond II + Tinned Copper Braid Shield (95% Coverage)


Gas-injected Foam HDPE Insulation • Matte Black Belflex® Jacket

Low Loss High-Flex 80°C 	9913F7	—	100	30.5	12.5	5.7	10 AWG	.285	7.24	Duobond II*	.405	10.29	52	85%	22.5	80.7	1	.4	1.3
			250	76.2	27.8	12.6	(7x19)		+ 95% TC		10	.6	2.0						
			500	152.4	52.5	23.8	.108"		Braid		50	1.1	3.6						
			1000	304.8	104.0	47.2	BC		1.8Ω/M'		100	1.5	4.9						
							1.1Ω/M'		5.9Ω/km		200	2.0	6.6						
							3.7Ω/km				400	3.0	9.8						

Suitable for Outdoor and Aerial applications.

RG-8/U Type • 10 AWG Solid .103" Bare Copper Conductor • Duobond II + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • Black PVC Jacket

Low Loss UL AWM Style 1354 (30V 80°C) 	9914	NEC:	500	152.4	56.0	25.4	10 AWG	.285	7.24	Duobond II*	.403	10.24	50	82%	24.8	81.4	1	.4	1.3
		CMG:	1000	304.8	114.0	51.7	(solid)		+ 95%		10	.5	1.7						
		CEC:					.103"		TC Braid		50	1.0	3.3						
		CMP FT4					BC		1.1Ω/M'		100	1.4	4.6						
							1.8Ω/M'		3.6Ω/km		200	1.8	6.0						
							3.9Ω/km				400	2.6	8.5						

Suitable for Outdoor and Aerial applications.

RG-8/U Type • 10 AWG Solid .108" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)

Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket

Low Loss 125°C 	7733A	NEC:	500	152.4	53.5	24.3	10 AWG	.280	7.11	Duofoil	.355	9.01	50	84%	24.2	79.4	1	.1	.3
		CMP:	1000	304.8	105.0	47.7	(solid)		+ 90%		10	.4	1.3						
		CEC:					.108"		TC Braid		50	1.1	3.6						
		CMP FT6					BC		1.8Ω/M'		100	1.5	4.9						
							.9Ω/M'		5.9Ω/km		200	2.1	6.9						
							3.0Ω/km				400	3.2	10.5						

Suitable for Outdoor and Aerial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

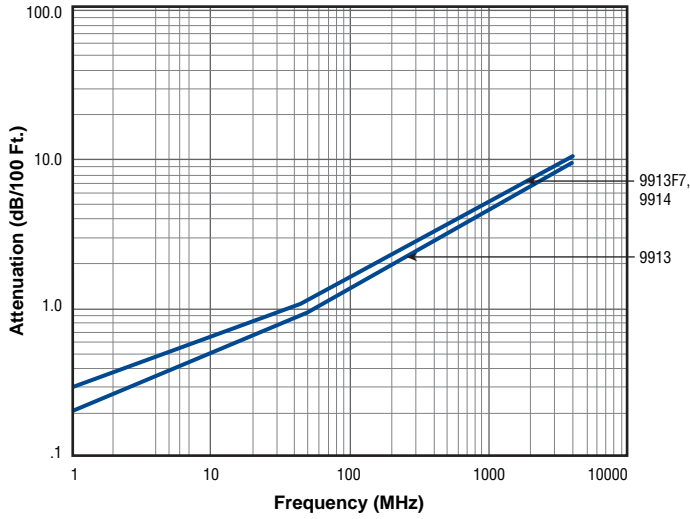
*Duobond II = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage).

†Spools are one piece, but length may vary ±10% from length shown.

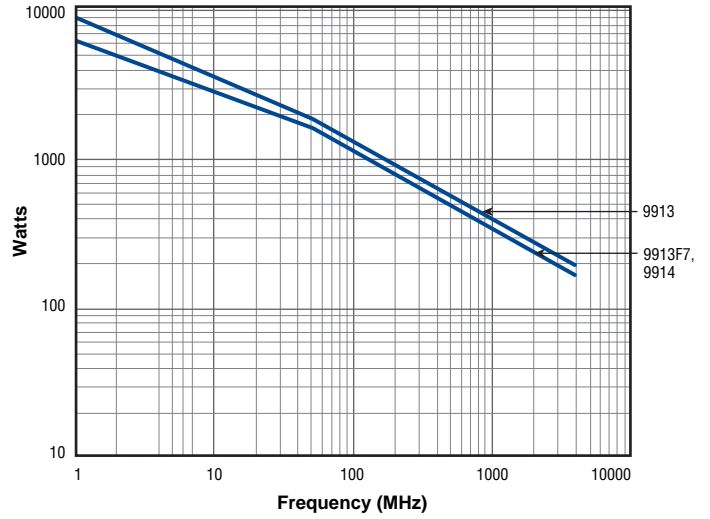
50 Ohm Transmission Cable

Electrical Characteristics of 9913, 9913F7 and 9914

Attenuation



Power Rating

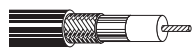


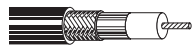
Computer and Instrumentation Cable

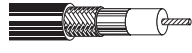
50 Ohm Ethernet® Coax

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

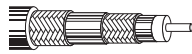
Thinnet 10Base2 Ethernet • 20 AWG Stranded (19x32) .037" Conductor • Duobond® II + Overall TC Braid Shield (93% Coverage)

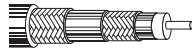
Non-plenum • Foam Polyethylene Insulation • Gray PVC Jacket																						
 <p>UL AWM Style 1354 (30V 60°C)</p>	9907	NEC:	500	152.4	12.5	5.7	20 AWG	.102	2.59	Duobond II*	.185	4.70	50	80%	25.4	83.3	1	.4	1.4			
		CL2	U-1000	U-304.8	24.0	10.9	(19x32)			+ 93%								10	1.3	4.3		
		CM	1000	304.8	23.0	10.4	.037"			TC Braid								50	2.9	9.5		
		CEC:	1640	500.0	41.0	18.6	TC			5.8Ω/M'								100	4.2	13.8		
		CM	2500	762.0	62.5	28.4	8.8Ω/M'			19.0Ω/km								200	6.1	20.0		
																	400	8.9	29.2	For Plenum versions see 89907 or 82907.		
																	700	12.1	39.7			
																	900	13.9	45.6			
																	1000	14.8	48.6			

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																						
 <p>150°C</p>	89907	NEC:	500	152.4	11.0	5.0	20 AWG	.095	2.41	Duobond II*	.160	4.06	50	80%	25.4	83.3	1	.4	1.4			
		CMP	1000†	304.8	22.0	10.0	(19x32)			+ 93%								10	1.3	4.3		
		CL2P	2500†	762.0	60.0	27.3	.037"			TC Braid								50	2.9	9.5		
		CEC:					TC			5.8Ω/M'								100	4.2	13.7		
		CMP FT6					8.8Ω/M'			19.0Ω/km								200	6.1	20.0		
																	400	9.2	30.2	For Non-plenum version see 9907.		
																	700	12.9	42.3			
																	900	15.0	49.2			
																	1000	16.0	52.5			

Plenum • FPFA Insulation • Natural Flamarrest® Jacket																						
 <p>75°C</p>	82907	NEC:	500†	152.4	11.0	5.0	20 AWG	.095	2.41	Duobond II*	.160	4.06	50	80%	25.4	83.3	1	.4	1.4			
		CMP	U-1000††	U-304.8	23.0	10.5	(19x32)			+ 93%								10	1.3	4.3		
		CL2P	1000†	304.8	22.0	10.0	.037"			TC Braid								50	2.9	9.5		
		CEC:	2500†	762.0	57.5	26.1	TC			5.8Ω/M'								100	4.2	13.7		
		CMP FT6					8.8Ω/M'			19.0Ω/km								200	6.1	20.0		
																	400	9.2	30.2	For Non-plenum version see 9907.		
																	700	12.9	42.3			
																	900	15.0	49.2			
																	1000	16.0	52.5			

Thicknet 10Base5 Ethernet • 12 AWG Solid .086" Bare Copper Conductor • Duobond IV Quad Shield (100% Coverage)

Non-plenum • Foam Polyethylene Insulation • Yellow PVC Jacket																						
 <p>UL AWM Style 1478 (30V 60°C)</p>	9880	NEC:	500	152.4	66.0	30.0	12 AWG	.243	6.17	Duobond IV*	.405	10.29	50	78%	26.0	85.3	1	.2	.6			
		CL2	1000	304.8	131.0	59.5	(solid)			(Duobond II								5	.4	1.2		
		CM	1640	500.0	219.8	99.7	.086"			+ 94% TC Braid								10	.5	1.7		
		CEC:					BC			+ Duofoil®								50	1.2	3.9		
		CM					1.4Ω/M'			+ 90% TC Braid)								100	1.7	5.6		
																	200	2.6	8.4	For Plenum version see 89880.		
																	400	3.9	12.8			
																	700	5.5	18.1			
																	900	6.5	21.3			
																	1000	6.9	22.6			

Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket																						
 <p>150°C</p>	89880	NEC:	1000	304.8	134.0	60.9	12 AWG	.245	6.22	Duobond IV*	.375	9.53	50	78%	26.0	85.3	1	.2	.6			
		CL2P	1640†	500.0	224.7	102.1	(solid)			(Duobond II								5	.4	1.2		
		CMP					.086"			+ 90% TC Braid								10	.5	1.7		
		CEC:					BC			+ Duofoil								50	1.2	3.8		
		CMP FT6					1.4Ω/M'			+ 90% TC Braid)								100	1.7	5.4		
																	200	2.5	8.0			
																	400	3.8	12.5			
																	700	5.6	18.4			
																	900	6.8	22.3			
																	1000	7.2	23.6			

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

For cable manufactured to latest government revision or other MIL-SPEC requirements, please contact your nearest Belden Regional Sales Office.

* Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

† Final put-up length may vary from length shown ±10% for spools and reels, ±5% for UnReel® cartons.

†† Length may vary -0/+10%.

Computer and Instrumentation Cable

75 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.

75 Ohm • 30 AWG Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)

TFE Teflon® Insulation • White TFE Tape Jacket

200°C	83267	—	100†	30.5	1.9	.9	30 AWG (7x38)	.063	1.60	SPC Braid	.103	2.62	75	69.5%	19.5	64.0	1	3.0	9.8												
VW-1			1000†	304.8	11.0	5.0											244.0Ω/M'	801.0Ω/km	95% Shield Coverage	10	5.3	17.4	50	8.5	27.9	100	10.0	32.8	200	12.5	41.0

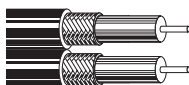


RG-187A/U Type • MIL-C-17D

75 Ohm • Dual RG-59/U Type • 23 AWG Solid .023" Bare Copper-covered Steel Conductors • Bare Copper Braid Shield (95% Coverage)

Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket

UL AWM Style 20063 (300V 80°C)	9555	NEC:	500	152.4	38.5	17.5	23 AWG (solid)	.146	3.71	BC Braid	.238	6.05	75	66%	20.5	67.3	1	.6	2.0											
		CM	1000	304.8	78.0	35.4											95% Shield Coverage	10	1.1	3.6	50	2.4	7.9	100	3.4	11.2	200	4.9	16.1	400

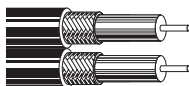


For Plenum version of see 89555.

75 Ohm • Dual RG-59/U Type • 23 AWG Solid .023" Bare Copper-covered Steel Conductors • Bare Copper Braid Shield (97% Coverage)

Plenum • FEP Insulation • Clear FEP Jacket

200°C	89555	NEC:	500	152.4	46.5	21.1	23 AWG (solid)	.134	3.40	BC Braid	.212	5.39	75	70%	19.5	64.0	1	.5	1.6											
		CMP	1000	304.8	90.0	40.9											97% Shield Coverage	10	1.1	3.6	50	2.5	8.2	100	3.5	11.5	200	5.1	16.7	400



Suitable for Outdoor and Direct Burial applications.

75 Ohm • RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (100% Coverage)

Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket

	3131A	NEC:	1000	304.8	39.0	17.7	18 AWG (solid)	.180	4.57	Duobond IV* Quad Shield	.300	7.62	75	82%	16.2	53.2	1	.35	1.15															
		CL2R,	2500††	762.2	97.5	44.3											.040" BCCS	11.8Ω/km	2	.38	1.25	5	.45	1.48	10	.59	1.94	20	.86	2.82	50	1.37	4.50	100



Sweep tested 5 MHz to 400 MHz.

CPE jacket optional.

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

150°C	3132A	NEC:	1000	304.8	36.0	16.4	18 AWG (solid)	.170	4.32	Duobond IV* Quad Shield	.274	6.96	75	82%	16.3	53.5	1	.36	1.18															
		CMP															.040" BCCS	23.6Ω/km	2	.38	1.25	5	.50	1.64	10	.65	2.13	20	.95	3.12	50	1.50	4.92	100



For Non-plenum version see 3131A.

Sweep tested 5 MHz to 400 MHz.

Suitable for Outdoor and Direct Burial applications.

75 Ohm • RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV Quad Shield (100% Coverage)

Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket

	3094A	NEC:	500	152.4	34.5	15.7	14 AWG (solid)	.280	7.11	Duobond IV* Quad Shield	.407	10.34	75	82%	16.2	53.2	1	.16	.53															
		CL2R,	1000	304.8	69.0	31.3											.064" BCCS	4.9Ω/km	2	.18	.59	5	.26	.85	10	.38	1.25	20	.55	1.81	50	.83	2.72	100



Sweep tested 5 MHz to 400 MHz.

CPE jacket optional.

Tap marks every 2.6 meters to aid users in installation.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-coated Copper • SPCCS = Silver-coated Copper-covered Steel • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

* Duobond IV = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

† May contain more than one piece, minimum length of any one piece is 25 ft.

†† Spools may contain more than one piece. Final put-up may vary ±10% for spools and reels and ±5% for UnReel® cartons. 25 feet minimum length.

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

Computer and Instrumentation Cable

75 Ohm and 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

75 Ohm • RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV Quad Shield (100% Coverage)

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

150°C	3095A	NEC: CMP; PLTC; CEC: CMP FT6	1000	304.8	76.0	34.5	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* Quad Shield 3.9Ω/M' 12.8Ω/km	.387	9.83	75	82%	16.5	54.1	1	.20	.70	.39	1.30	1.20	3.90	1.70	5.60	2.50	8.20	3.50	11.50
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Suitable for Outdoor and Direct Burial applications.
Tap marks every 2.6 meters to aid users in installation.

93 Ohm • RG-62B/U Type • 24 AWG Stranded (7x32) .024" Bare Copper-covered Steel Conductor • BC Braid Shield (95% Coverage)

Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket

UL AWM Style 1354 (30V 60°C) VW-1	8255	NEC: CMX; CEC: CMX	500	152.4	16.5	7.5	24 AWG (7x32) .024" BCCS 59.0Ω/M' 193.6Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.242	6.15	93	84%	13.5	44.3	1	.3	1.0	.9	3.0	2.0	6.6	2.9	9.5	4.2	13.8	6.1	20.0	8.6	28.2	10.1	33.1	11.1	36.4
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MIL-C-17D

93 Ohm • RG-62/U Type • JAN-C-17A • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • BC Braid Shield (95% Coverage)

Semi-solid Polyethylene Insulation • Black PVC Jacket

75°C	8254	—	U-500	U-152.4	18.0	8.2	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.238	6.05	93	84%	13.5	44.3	1	.3	.8	.9	2.8	1.9	6.2	2.7	8.9	3.8	12.5	5.3	17.4	7.3	23.9	8.2	26.9	8.7	28.5
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93 Ohm • RG-62A/U Type • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

Semi-solid Polyethylene Insulation • Black High-density Polyethylene Jacket

Flooded Burial 80°C	9228	—	500	152.4	15.0	6.8	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.242	6.15	93	84%	13.5	44.3	1	.3	.8	.9	2.8	1.9	6.2	2.7	8.9	3.8	12.5	5.3	17.4	7.3	23.9	8.2	26.9	8.7	28.5
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Suitable for Outdoor and Direct Burial applications.

Semi-solid Polyethylene Insulation • Black PVC Jacket

UL AWM Style 1478 (30V 60°C)	9268	NEC: CM CL2; CEC: CM	500	152.4	20.0	9.1	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.260	6.60	93	84%	13.5	44.3	1	.3	.8	.9	2.8	1.9	6.2	2.7	8.9	3.8	12.5	5.3	17.4	7.3	23.9	8.2	26.9	8.7	28.5
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IBM P/N 5252750 • Includes Mylar® tape as a moisture barrier for improved outdoor reliability.

UL AWM Style 1478 (30V 60°C)	9269	NEC: CM CL2; CEC: CM	U-500	U-152.4	18.5	8.4	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 9.5Ω/km	.239	6.07	93	84%	13.5	44.3	1	.3	.8	.9	2.8	1.9	6.2	2.7	8.9	3.8	12.5	5.3	17.4	7.3	23.9	8.2	26.9	8.7	28.5
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IBM P/N 323921 P-MSHA SC-1823**

*U-1000 put-up also available in Orange, Beige or Chrome.

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

Mylar is a DuPont trademark.

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

For cables manufactured to latest government revision or other MIL-SPEC requirements, please contact your nearest Belden regional Sales Office.

* Duobond IV = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

** Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

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	3.61	BC Braid 94% Shield Coverage	.200 5.08	93	85%	12.8	42.0	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	1.0 3.0 6.2 8.9 12.5 17.4 23.9 26.9 28.5
							41.2Ω/M' 135.2Ω/km			3.4Ω/M' 11.2Ω/km								

▲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	3.61	BC Braid 94% Shield Coverage	.200 5.08	93	85%	12.8	42.0	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	1.0 3.0 6.2 8.9 12.5 17.4 23.9 26.9 28.5
							41.2Ω/M' 135.2Ω/km			3.4Ω/M' 11.2Ω/km								

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	3.61	BC Braid 94% Shield Coverage	.200 5.08	93	85%	12.8	42.0	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	1.0 3.0 6.2 8.9 12.5 17.4 23.9 26.9 28.5
							41.2Ω/M' 135.2Ω/km			3.4Ω/M' 11.2Ω/km								

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	3.71	BC Braid 94% Shield Coverage	.204 5.18	93	85%	12.5	41.0	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	1.8 3.0 6.2 8.9 12.5 17.4 23.9 26.9 28.5
							41.2Ω/M' 135.2Ω/km			3.4Ω/M' 11.2Ω/km								

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	3.71	BC Braid 94% Shield Coverage	.204 5.18	93	85%	12.5	41.0	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	1.8 3.0 6.2 8.9 12.5 17.4 23.9 26.9 28.5
							41.2Ω/M' 135.2Ω/km			3.4Ω/M' 11.2Ω/km								

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

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

Teflon is a DuPont trademark.

BELDEN

For more information, contact Belden Technical Support: **1-800-BELDEN-1** • www.belden.com

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Computer and Instrumentation Cable

78 Ohm, 95 Ohm and 100 Ohm Twinax

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

78 Ohm • 20 AWG Stranded (7x28) .038" Tinned Copper Conductors • Tinned Copper Braid Shield (93% Coverage)

Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)

UL AWM Style 2092 (300V 60°C)	9272	NEC: CM	100	30.5	4.5	2.0	20 AWG (7x28)	.156	3.96	TC Braid 93% Shield Coverage	.244	6.20	78	66%	19.7	64.6	1	.6	2.0
		CEC: CM	500	152.4	18.5	8.4	.038"			TC							10	2.1	6.9
			1000	304.8	39.0	17.7	9.5Ω/M'			3.4Ω/M'							50	5.0	16.4
			1000	304.8	41.0	18.6	31.2Ω/km			11.2Ω/km							100	7.5	24.6
																	200	11.0	36.1
																	400	16.0	52.5

For Plenum version of 9272, see 89272.
CPE jacket optional.



Plenum • FEP Teflon® Insulation • Blue FEP Teflon Jacket (Color Code: Clear, Blue)

200°C	89272	NEC: CMP	500	152.4	17.0	7.7	20 AWG (7x28)	.148	3.76	TC Braid 93% Shield Coverage	.198	5.03	78	69.5%	18.4	60.4	1	.6	2.0
		CEC: CMP FT6	1000	304.8	38.0	17.3	.038"			TC							10	2.1	6.9
							9.5Ω/M'			3.9Ω/M'							50	5.0	16.4
							31.2Ω/km			12.8v/km							100	7.5	24.6
																	200	11.0	36.1
																	400	16.0	52.5

Suitable for Aerial applications when supported by a messenger.

78 Ohm • 20 AWG Stranded (7x28) .038" Tinned Copper Conductors • Beldfoil® (100% Coverage) + TC Braid Shield (55% Coverage)

Polyethylene Insulation • Blue Sunlight-resistant PVC Jacket (Color Code: Clear, Blue)

UL AWM Style 2464 (300V 80°C)	9463	NEC: CM CL2	100	30.5	4.4	2.0	20 AWG (7x28)	.154	3.91	Beldfoil + 55% TC Braid	.238	6.05	78	66%	19.7	64.6	1	.6	2.0
		CEC: CM	500	152.4	18.0	8.2	.038"			TC							10	2.1	6.9
			1000	304.8	39.0	17.7	9.5Ω/M'			4.1Ω/M'							50	3.6	11.8
			1000	304.8	39.0	17.7	31.0Ω/km			13.4Ω/km							100	7.5	24.6
			6000	1828.7	234.0	106.1											200	11.0	36.1
			10000	3048.0	380.0	172.4											400	16.0	52.5

CPE jacket optional.

PMSHA P-7K-SC-182141*
Allen Bradley P/N 1770-CD

*10000 ft. and 6000 ft. put-ups also available in Brown, Orange and Purple. 10,000 ft. available in Brown or Orange only.

RG-22B/U • 95 Ohm • 18 AWG Stranded (7x26) .046" Bare Copper Conductors** • Double Tinned Copper Braid Shield (95% Coverage)

Polyethylene Insulation • PE Inner Jacket • Black Non-contaminating PVC Outer Jacket (Color Code: Clear, Clear)

80°C VW-1	9250	—	500	152.4	61.5	27.9	18 AWG (7x26)	.285	7.24	(2) TC Braids 95% Shield Coverage	.416	10.67	95	66%	16.0	52.5	1	.3	1.0
			1000	304.8	121.0	54.9	.046"			BC							10	.9	3.0
							6.6Ω/M'			3.0Ω/km							20	1.3	4.3
							21.5Ω/km										50	2.1	6.9
																	100	3.0	9.8
																	400	6.3	20.7

CPE jacket optional.

RG-22B/U Type

**1 conductor has tinned center strand. Non-contaminating PVC jacket.

100 Ohm • 20 AWG Stranded (7x28) .037" One Tinned/One Bare Copper Conductors • Duofoil® + Double TC Braid Shield (95% Coverage)

Polyethylene Insulation • Black High-density Polyethylene Jacket

Direct Burial 80°C	9815	—	500	152.4	34.5	15.7	20 AWG (7x28)	.236	5.99	TC Braid 95% Shield Coverage	.330	8.38	100	66%	14.5	47.6	1	.4	1.3
			1000	304.8	69.0	31.4	.037"			(1) TC, (1) BC							10	1.1	3.6
			2000	609.6	134.0	60.9	9.5Ω/M'			6.6Ω/km							50	2.5	8.2
							31.0Ω/km										100	4.1	13.5
																	200	6.4	21.0
																	400	10.2	33.5

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • PE = Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.

†Final put-up may vary from length shown. ±10% for spools or reels, ±5% for UnReel® cartons.

Teflon is a DuPont trademark.

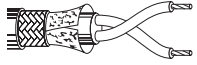
Computer and Instrumentation Cable

100 Ohm, 124 Ohm and 150 Ohm Twinax

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

100 Ohm • 20 AWG Stranded (7x28) .037" One TC/One BC Conductor • Duofoil® (100% Coverage) + TC Braid Shield (86% Coverage)

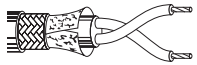
Polyethylene Insulation • Polyethylene Inner Jacket • Black PVC Outer Jacket

	9207 NEC: CM CL2 CEC: CMG FT4	100	30.5	7.1	3.2	20 AWG	.236	5.99	Duofoil	.330	8.38	100	66%	14.5	47.6	1	.3	1.0	
		U-500	U-152.4	33.0	15.0	(7x28)			+86%								10	1.2	3.9
		500	152.4	34.5	15.7	.037"			TC Braid								50	2.8	9.2
		1000	304.8	68.0	30.9	(1) TC,			1.7Ω/M'								100	4.1	13.5
		1640	500.0	111.5	50.7	(1) BC			5.7Ω/km								200	6.4	21.0
		2000	609.6	136.0	61.8	9.5Ω/M'											400	10.2	33.5
		3280	1000.0	219.8	99.9	31.0Ω/km													

IBM P/N 7362211

100 Ohm • 20 AWG Stranded (7x28) .037" One TC/One BC Conductor • Duofoil (100% Coverage) + TC Braid Shield (85% Coverage)

Plenum • FEP Insulation • Black FEP Jacket

	89207 NEC: CMP CEC: CMP FT6	100	30.5	6.7	3.0	20 AWG	.201	5.11	Duofoil	.259	6.58	100	69.5%	14.0	46.0	1	.3	1.0	
		500	152.4	26.0	11.8	(7x28)			+85%								10	1.2	3.9
		1000	304.8	55.0	25.0	.037"			TC Braid								50	2.8	9.2
						(1) TC, (1) BC			2.5Ω/M'								100	4.1	13.5
						9.5Ω/M'			8.2Ω/km								200	6.4	21.0

124 Ohm • 25 AWG Stranded (7x33) .021" Tinned Copper Conductors • Beldfoil® Shield (100% Coverage) • Stranded TC Drain Wire


Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)

	9271 UL AWM Style 2092 (300V 60°C) Shorting Fold	100	30.5	3.2	1.5	25 AWG	.170	4.32	Beldfoil	.240	6.10	124	66%	12.2	40.0	1	.6	2.0	
		500	152.4	12.5	5.7	(7x33)			12.0Ω/M'								10	1.7	5.6
		U-1000	U-304.8	27.0	12.3	.021"			39.4Ω/km								50	3.6	11.8
		1000	304.8	28.0	12.7	TC											100	5.0	16.4
						31.8Ω/M'											200	6.9	22.6

Shorting Fold

124 Ohm • 16 AWG Solid .051" Bare Copper Conductors • Duofoil (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket (Color Code: Clear, Blue)

	9860 UL AWM Style 2448 (30V 60°C) VW-1	500	152.4	52.0	23.6	16 AWG	.322	8.18	Duofoil	.440	11.18	124	78%	10.9	35.8	1	.2	.6	
		1000	304.8	103.0	46.8	(solid)			+ 90%								10	1.7	2.3
		2000	609.6	202.0	91.8	.051"			TC Braid								50	5.8	5.9
						BC			1.3Ω/M'								100	2.9	9.5
						4.2Ω/M'			4.3Ω/km								200	4.1	13.5

150 Ohm • 22 AWG Stranded (19x34) .031" Tinned Copper Conductors • Duofoil Shield (100% Coverage) • Stranded TC Drain Wire

Datalene® Insulation • Black PVC Jacket (Color Code: Black, Yellow)

	9182 UL AWM Style 2668 (30V 60°C) VW-1	U-500	U-152.4	21.5	9.8	22 AWG	.275	6.98	Duofoil	.345	8.76	150	78%	8.8	28.9	1	.4	1.3	
		500	152.4	23.0	10.4	(19x34)			6.3Ω/M'								10	1.2	3.9
		CL2X	1000	304.8	44.0	20.0	.031"			20.7Ω/km							50	2.7	8.7
						TC											100	4.3	14.1
						14.0Ω/M'											200	6.2	20.3

Shorting Fold

Plenum • Foam FEP Teflon Insulation • Black FEP Teflon Jacket (Color Code: Black, Yellow)

	89182 NEC: CMP CL2P CEC: CMP FT6	100	30.5	6.4	2.9	22 AWG	.278	7.06	Duofoil	.307	7.80	150	78%	8.8	28.9	1	.4	1.3	
		500	152.4	28.0	12.7	(19x34)			6.3Ω/M'								10	1.2	3.9
		1000	304.8	53.0	24.1	.031"			20.7Ω/km								50	2.7	8.7
						TC											100	4.3	14.1
						14.0Ω/M'											200	6.2	20.3

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

Teflon is a DuPont trademark.

BELDEN

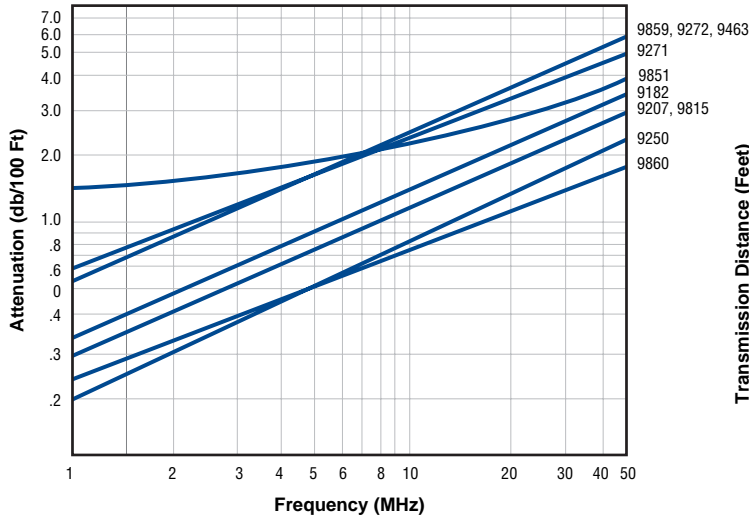
For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

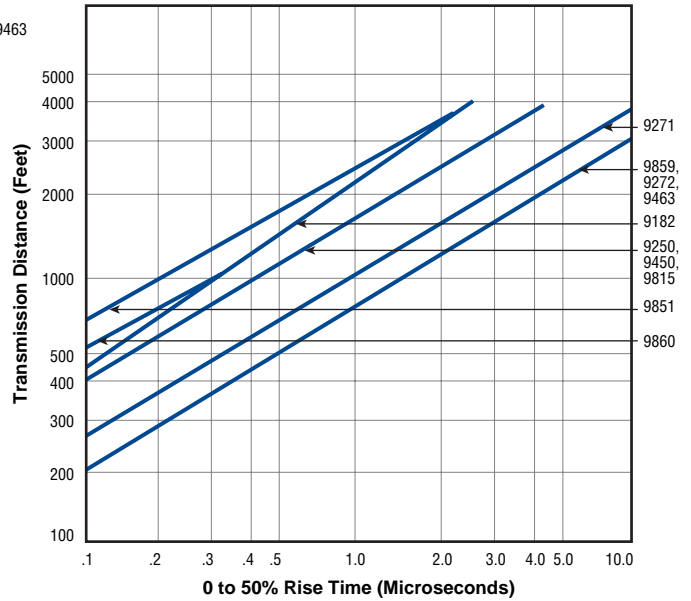
Computer and Instrumentation Cable

Electrical Characteristics — Twinax

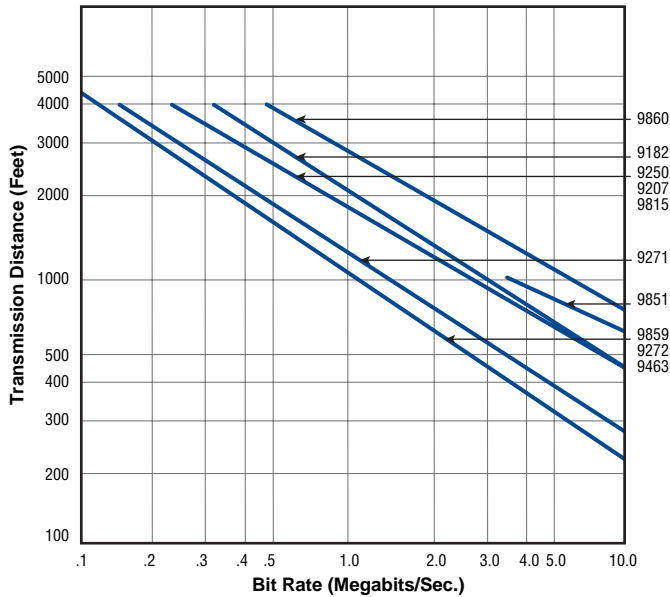
Attenuation



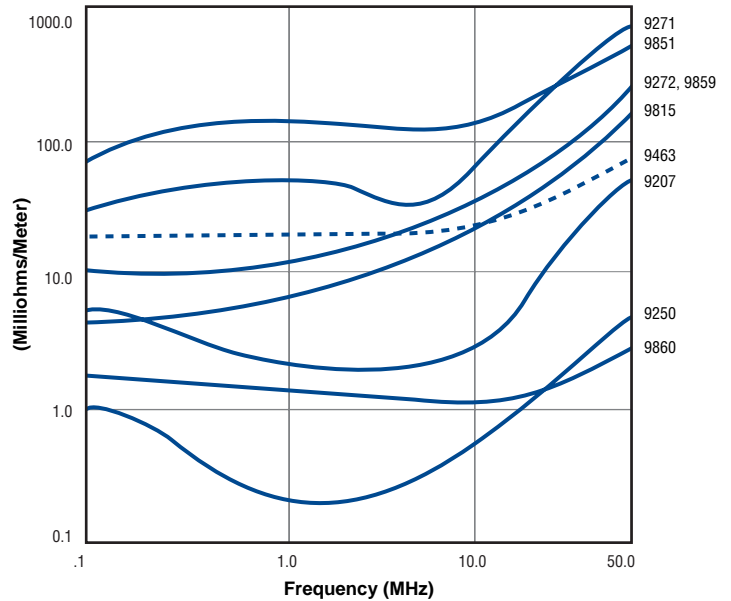
Rise Time



Bit Rate



Transfer Impedance



Computer and Instrumentation Cable

50 Ohm Triax

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-58A/U Type • 20 AWG Stranded (7x28) .037" Tinned Copper Conductor • Double Tinned Copper Braid Shield (96% Coverage)**Polyethylene Insulation • Yellow PVC Jacket** (Polyethylene Insulation between Braids)

75°C	9222	—	100	30.5	4.6	2.1	20 AWG (7x28)	.114	2.90	(2) TC Braids 96% Shield Coverage	.240	6.10	50	66%	30.8	101.0	1	.5	1.6
			U-500	U-152.4	19.5	8.8											10	1.5	4.9
			500	152.4	20.5	9.3	.037"										50	3.3	10.8
							TC			Inner:							100	4.9	16.1
							9.5Ω/M'			4.7Ω/M'							200	7.2	23.6
							31.0Ω/km			15.5Ω/km							400	12.0	39.4
										Outer:							700	18.0	57.1
										4.3Ω/M'							900	22.0	72.2
										14.1Ω/km							1000	24.0	78.7

**RG-8/U Type • 11 AWG** Stranded (7x19) .108" Bare Copper Conductor • Double Bare Copper Braid Shield (96% Coverage)**Foam Polyethylene Insulation • Black Polyethylene Jacket** (Polyethylene Insulation between Braids)

80°C	9888	—	500	152.4	72.5	33.0	11 AWG (7x19)	.285	7.24	(2) BC 96% Shield Coverage	.480	12.19	50	78%	26.0	85.3	1	.1	.5
			1000	304.8	140.0	63.6	.108"										10	.5	1.7
							BC			Inner:							50	1.2	3.9
							1.2Ω/M'			1.2Ω/M'							100	1.8	5.9
							3.9Ω/km			3.9Ω/km							200	2.7	8.9
										Outer:							400	4.2	13.8
										2.1Ω/M'							700	5.8	19.0
										4.9Ω/km							900	6.7	22.0
																	1000	7.1	23.3

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.