


Industrial Data Solutions® — Industrial Coax

ControlNet™ Quad Shielded 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-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV* Quad Shield (100% Coverage)

Foam Polyethylene Insulation • PVC Jacket (Black or Intrinsically Safe Blue)

	3092A	NEC:	500	152.4	20.0	9.1	18 AWG	.180	4.57	Duobond IV	.298	7.57	75	82%	16.2	53.1	1	.35	1.1
		CL2R CMR	1000	304.8	39.0	17.7	(solid)			Quad							2	.38	1.2
		CEC:	2000	609.6	78.0	35.4	.040"			Shield							5	.45	1.5
		CMG FT4	2500	762.2	92.5	42.0				BCCS	3.6Ω/M'						10	.59	1.9
										28.0Ω/M'	11.8Ω/km						20	.86	2.8

Allen-Bradley P/N 1786

Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Black or Intrinsically Safe Blue*)


	3093A	NEC:	1000*	304.8	40.0	18.2	18 AWG	.170	4.32	Duobond IV	.274	6.96	75	82%	16.3	53.5	1	.36	1.2
		CMP	2000†	609.6	80.0	36.3	(solid)			Quad							2	.38	1.2
		CEC:	2500†	762.0	95.0	43.1	.040"			Shield							5	.50	1.6
		CMP FT6								BCCS	3.6Ω/M'						10	.65	2.1
										28.0Ω/M'	11.8Ω/km						20	.95	3.1

*Blue available as standard in 1000 ft. only.

Suitable for Outdoor and Direct Burial applications. • Allen-Bradley P/N 1786

RG-6/U Type • 20 AWG Stranded (105x40) Bare Copper Conductor • Duobond IV* Quad Shield (100% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket


	3092F	NEC:	1000	304.8	44.0	20.0	20 AWG	.183	4.65	Duobond IV	.303	7.70	75	79%	17.0	55.8	1	.36	1.2
		CL2R CMR	5000	1524.0	220.0	99.8	(105x40)			Quad							2	.47	1.5
		CEC:					.040"			Shield							5	.80	2.6
		CMG FT4					Bare			3.6Ω/M'							10	1.20	3.9
							Copper			11.8Ω/km							20	2.00	6.6

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP. • Allen-Bradley P/N 1786

For Rockwell authorized Flexible ControlNet order YR28890 (Tinned Copper Braid version).

RG-6/U Type • 18 AWG Solid Bare Copper-Covered Steel Conductor • Duobond IV* Quad Shield (100% Coverage)

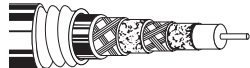
Aluminum Interlocked Armor • Foam Polyethylene Insulation • PVC Inner Jacket • Black PVC Sunlight Resistant Outer Jacket

	123092A	NEC:	1000††	304.8	180.0	81.7	18 AWG	.180	4.57	Duobond IV	Inner Jacket	75	82%	16.2	53.2	1	.35	1.2
		CM					(solid)			Quad	.298	7.57				2	.38	1.3
		CEC:					.040"			Shield	Overall:					5	.45	1.5
		CMG, FT4, HL								BCCS	3.6Ω/M'	.620	15.75			10	.59	1.9
										28.0Ω/M'	11.8Ω/km					20	.86	2.8

Allen-Bradley P/N 1786

Jacket sequentially marked at 1 meter intervals.

Continuously Corrugated Aluminum Armor • Foam Polyethylene Insulation • PVC Inner Jacket • Black PVC Outer Jacket

	183092A	NEC:	2000^	609.6	350.0	158.9	18 AWG	.180	4.57	Duobond IV	Inner Jacket	75	82%	16.2	53.2	1	.35	1.2
		CL2, CM					(solid)			Quad	.298	7.57				2	.38	1.3
							.040"			Shield	Overall:					5	.45	1.5
										BCCS	3.6Ω/M'	.570	14.48			10	.59	1.9
										28.0Ω/M'	11.8Ω/km					20	.86	2.8

Allen-Bradley P/N 1786

Jacket sequentially marked at 2 ft. intervals.

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

*Duobond IV Quad Shield = Duobond II Foil + 60% aluminum braid + Duofoil + 40% aluminum braid.


†Final put-up length may vary 0 to +10% from length shown.

††Final put-up length may vary ±5% from length shown.

^Final put-up length may vary ±10% from length shown.


ControlNet is a ControlNet International trademark.

Industrial Data Solutions® — Industrial Coax**ControlBus™ Quad Shielded 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-6/U Type • 20 AWG Stranded (105x40) Bare Copper Conductor • Duobond® IV* Quad Shield (100% Coverage)																				
Foam Polyethylene Insulation • Black PVC Jacket																				
	High-Flex	3092F	NEC:	1000	304.8	44.0	20.0	20 AWG (105x40) .040" Bare Copper 10.5Ω/M' 34.4Ω/km	.183	4.65	Duobond IV Quad Shield 3.6Ω/M' 11.8Ω/km	.303	7.70	75	79%	17.0	55.8	1	.36	1.2
			CL2R CMR	5000	1524.0	225.0	102.2											2	.47	1.5
			CEC:															5	.80	2.6
			CMG															10	1.20	3.9
			FT4															20	2.00	6.6
																		50	3.20	10.5
																		100	4.60	15.1
																		200	6.50	21.3
																		300	8.00	26.2
																		400	9.30	30.5


IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.

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

Gas-Injected Foam Polyethylene Insulation • Gray PVC Jacket																			
	3131A	NEC:	1000	304.8	41.0	18.6	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.8Ω/km	.180	4.57	Duobond IV Quad Shield 3.6Ω/M' 11.8Ω/km	.300	7.62	75	82%	16.2	53.1	1	.35	1.1
		CL2R CMR	2500	762.0	100.0	45.4											2	.38	1.2
		CEC:															5	.45	1.5
		CMR FT4															10	.59	1.9
																	20	.86	2.8
																	50	1.37	4.5
																	100	1.97	6.5
																	200	2.82	9.3
																	300	3.48	11.4
																	400	4.04	13.3

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.

Tap marks every 2.6 meters to aid users in installation.


Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																				
	150°C	3132A	NEC:	1000	304.8	36.0	16.3	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.8Ω/km	.170	4.32	Duobond IV Quad Shield 3.6Ω/M' 11.8Ω/km	.274	6.96	75	82%	16.3	53.5	1	.36	1.2
			CMP															2	.38	1.2
			CEC:															5	.50	1.6
			CMP FT6															10	.65	2.1
																		20	.95	3.1
																		50	1.50	4.9
																		100	2.12	7.0
																		200	2.99	9.8
																		300	3.66	12.0
																		400	4.23	13.9

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.

Tap marks every 2.6 meters to aid users in installation.


Suitable for Outdoor and Direct Burial applications.

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

Gas-Injected Foam Polyethylene Insulation • Gray PVC Jacket																			
	3094A	NEC:	500	152.4	35.5	16.1	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV Quad Shield 1.5Ω/M' 4.9Ω/km	.407	10.34	75	82%	16.2	53.1	1	.16	.5
		CL2R CMR	1000	304.8	62.0	28.1											2	.18	.6
		CEC:	2000	609.6	140.0	63.6											5	.26	.9
		CMG FT4															10	.38	1.2
																	20	.55	1.8
																	50	.83	2.7
																	100	1.17	3.8
																	200	1.60	5.3
																	300	1.99	6.5
																	400	2.30	7.5

IEEE 802.4 MAP

Tap marks every 2.6 meters to aid users in installation.

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																				
	150°C	3095A	NEC:	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	.17	.6
			CMP															2	.22	.7
			CEC:															5	.28	.9
			CMP FT6															10	.40	1.3
																		20	.60	2.0
																		50	1.20	3.9
																		100	1.70	5.6
																		200	2.50	8.2
																		300	3.04	10.0
																		400	3.50	11.5

IEEE 802.4 MAP

Tap marks every 2.6 meters to aid users in installation.

Suitable for Outdoor and Direct Burial applications.

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

*Duobond IV Quad Shield = Duobond II Foil + 60% aluminum braid + Duofoil® + 40% aluminum braid.

Belden Infinity® Flexible Automation Cable

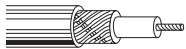
75 Ohm Flex Vision Coax Cables

(1 Million Flex Cycles*)

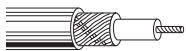
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal Core OD		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg	Conductor	Shield	Inch	mm	Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

Sub-Mini Type • 30 AWG Stranded (7x38) Tinned Cadmium Bronze Conductor • Tinned Copper "French Braid" Shield (95% Coverage)**Foam Polyethylene Insulation • Matte Blue Belflex® Jacket**

UL AWM	7500A	CEC:	250†	76.2	3.0	1.4	108.0Ω/M'	13.3Ω/M'	.056	1.42	.110	2.79	75	78%	16.7	54.8	2.2	.9	2.95
Style 1354		FT1	500†	152.4	5.0	2.3	354.3Ω/km	43.6Ω/km									5	1.4	4.59
30V 80°C			1000†	304.8	9.0	4.1											10	2.0	6.56
CSA AWM I/II A/B																	30	3.4	11.16
																	50	4.4	14.44
																	100	6.4	21.00

**Mini Type • 25 AWG** Stranded (19x38) Bare Copper Conductor • Tinned Copper "French Braid" Shield (95% Coverage)**Foam Polyethylene Insulation • Matte Blue Belflex Jacket**

UL AWM	7501A	CEC:	500†	152.4	7.5	3.4	35.0Ω/M'	9.1Ω/M'	.090	2.29	.146	3.71	75	77%	17.7	58.1	2.2	.6	1.97
Style 1354		FT1	1000†	304.8	14.0	6.4	114.8Ω/km	29.9Ω/km									5	.9	2.95
30V 80°C																	10	1.3	4.27
CSA AWM I/II A/B																	30	2.2	7.22
																	50	2.9	9.52
																	100	4.2	13.78

**RG-59 Type • 22 AWG** Stranded (19x34) Bare Copper Conductor • Tinned Copper "French Braid" Shield (95% Coverage)**Foam Polyethylene Insulation • Matte Blue Belflex Jacket**

UL AWM	7502A	CEC:	250†	76.2	10.5	4.8	13.4Ω/M'	6.4Ω/M'	.146	3.71	.242	6.15	75	79%	18.0	59.1	2.2	.4	1.31
Style 1354		FT1	500†	152.4	15.0	6.8	44.0Ω/km	21.0Ω/km									5	.5	1.64
30V 80°C			1000†	304.8	34.0	15.4											10	.8	2.63
CSA AWM I/II A/B																	30	1.4	4.59
																	50	1.8	5.91
																	100	2.7	8.86

**RG-6/U Type • 20 AWG** Stranded (7x15x40) Bare Copper Conductor • Tinned Copper "French Braid" Shield (95% Coverage)**Foam Polyethylene Insulation • Matte Blue Belflex Jacket**

UL AWM	7503A	CEC:	250†	76.2	12.0	5.5	8.1Ω/M'	11.0Ω/M'	.185	4.70	.275	6.99	75	80%	17.3	56.8	2.2	.3	0.98
Style 1354		FT1	500†	152.4	18.0	8.2	26.6Ω/km	36.1Ω/km									5	.4	1.31
30V 80°C			1000†	304.8	40.0	18.2											10	.6	1.97
CSA AWM I/II A/B																	30	1.1	3.61
																	50	1.5	4.92
																	100	2.2	7.22

**RG-11 Type • 16 AWG** Stranded (7x37x40) Bare Copper Conductor • Tinned Copper "French Braid" Shield (95% Coverage)**Foam Polyethylene Insulation • Matte Blue Belflex Jacket**

UL AWM	7504A	CEC:	1000†	304.8	84.0	38.1	3.5Ω/M'	3.6Ω/M'	.285	7.24	.405	10.29	75	81%	17.3	56.8	2.2	.2	0.66
Style 1354		FT1					11.5Ω/km	11.8Ω/km									5	.3	0.98
30V 80°C																	10	.4	1.31
CSA AWM I/II A/B																	30	.8	2.63
																	50	1.0	3.28
																	100	1.5	4.92



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

*Based on proper installation techniques in a C-track cable guide.

†Final put-up length may vary ±10% from length shown.