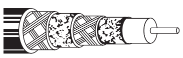
Industrial Data Solutions® — Industrial Coax

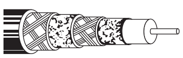
ControlNet™ Quad Shielded Coax

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)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	dB/100 Ft.	dB/100m
	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			Sweep tested 5 MHz to 50 MHz.				20	.86	2.8
							91.8Ω/km						CPE jacket optional.				50	1.37	4.5
																	100	1.97	6.5
																	200	2.82	9.3
																	300	3.48	11.4
Allen-Bradley P/N 1786																	400	4.04	13.3

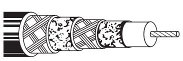
Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Black or Intrinsically Safe Blue◆)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	dB/100 Ft.	dB/100m
150°C	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
							91.8Ω/km						Sweep tested 5 MHz to 50 MHz.				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

◆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)

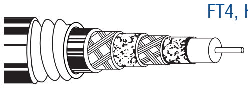
Foam Polyethylene Insulation • Black PVC Jacket

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	dB/100 Ft.	dB/100m
High-Flex	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					Bare			3.6Ω/M′			Sweep tested 5 MHz to 400 MHz.				10	1.20	3.9
		FT4					Copper			11.8Ω/km			CPE jacket optional.				20	2.00	6.6
							10.5Ω/M′										50	3.20	10.5
							34.4Ω/km						123092F — Aluminum Armor				100	4.60	15.1
													133092F — Steel Armor				200	6.50	21.3
																	300	8.00	26.2
																	400	9.30	30.5

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

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	dB/100 Ft.	dB/100m
75°C	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
	new	CM					(solid)			Quad	.298	7.57					2	.38	1.3
		CEC:					.040″			Shield	Overall:						5	.45	1.5
		CMG,					BCCS			3.6Ω/M′	.620	15.75					10	.59	1.9
		FT4, HL					28.0Ω/M′			11.8Ω/km							20	.86	2.8
							91.9Ω/km										50	1.37	4.5
													Sweep tested 5 MHz to 50 MHz.				100	1.97	6.5
																	200	2.82	9.3
													CPE jacket optional.				300	3.48	11.4
													133092A — Steel Armor				400	4.04	13.3

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

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	dB/100 Ft.	dB/100m
75°C	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
	new	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
							91.9Ω/km										50	1.37	4.5
																	100	1.97	6.5
													Sweep tested 5 MHz to 50 MHz.				200	2.82	9.3
																	300	3.48	11.4
																	400	4.04	13.3

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.