

Industrial Data Solutions® — Industrial Coax


ControlNet™ Quad Shielded Coax

ControlNet is a high-speed serial communication system for communication between devices that require time-critical application exchange.

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 • Duobond® IV* Quad Shield


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

	3092A	NEC:	500	152.4	22.0	10.0	18 AWG	.180	4.57	Duobond IV	.298	7.57	75	82%	16.2	53.1	1	.35	1.2
		CL2R CMR	1000	304.8	42.0	19.1	(solid)			Quad							2	.38	1.3
		CEC:	2000	609.6	84.0	38.2	.040"			Shield							5	.45	1.5
		CMG FT4	2500▲	762.2	100.0	45.5	BCCS			3.6Ω/M'							10	.59	1.9
							28.0Ω/M'			11.8Ω/km							20	.86	2.8

Sweep tested 5 MHz to 50 MHz.
CPE jacket optional.

*2500 ft. put-up available in Black only.
For Rockwell authorized Flexible ControlNet order YR28890 (Tinned Copper Braid version).

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	36.4	(solid)			Quad							2	.38	1.3
		CEC:	2500	762.0	100.0	45.5	.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

Sweep tested 5 MHz to 50 MHz.

*Blue available as standard in 1000 ft. only.
Suitable for Outdoor and Direct Burial applications.

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

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

	3092F	NEC:	1000	304.8	45.0	20.5	20 AWG	.183	4.65	Duobond IV	.303	7.70	75	79%	17.0	55.8	1	.36	1.2
	new	CL2 CM	5000	1524.0	225.0	102.3	(105x40)			Quad							2	.47	1.5
		CEC:					.040"			Shield							5	.80	2.6
		CM					Bare			3.6Ω/M'							10	1.20	3.9
							Copper			11.8Ω/km							20	2.00	6.6

Sweep tested 5 MHz to 400 MHz.
CPE jacket optional.

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

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

ControlNet is a ControlNet International trademark.

