

Industrial Data Solutions® - Industrial Coax

ControlNet™ Quad Shielded Coax



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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.

18 AWG • Solid 1.0 mm Copper-Covered Steel • Duobond® IV Quad Shield

Foam Polyethylene Insulation • PVC Jacket (Black or Intrinsically Safe Blue)																			
	3092A	NEC:	500	152	20.1	9.1	1.02 mm	0.180	4.57	Duobond® IV Quad Shield 11.8 Ω/km***	0.298	7.57	75	82%	16.2	53.1	1	0.3	1.1
		CL2R CMR	1000	305	39.0	17.7	18 AWG	2	0.4						1.2				
		CEC:	2000	610	78.0	35.4	Solid CCS	5	0.5						1.5				
		CMG FT4	2500	762	92.6	42.0	103.6 Ω/km*	10	0.6						1.9				
							91.8 Ω/km**	20	0.9						2.8				
								50	1.4						4.5				
						100	2.0	6.5											
						200	2.8	9.3											
						300	3.5	11.4											
						400	4.1	13.3											

Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Black or Intrinsically Safe Blue)																			
	150°C 3093A	NEC:	1000	305	40.1	18.2	1.02 mm	0.170	4.32	Duobond® IV Quad Shield 11.8 Ω/km***	0.274	6.96	75	82%	16.3	53.5	1	0.4	1.2
		CMP	† 2000	610	80.0	36.3	18 AWG	2	0.4						1.2				
		CEC:	† 2500	762	95.0	43.1	Solid CCS	5	0.5						1.6				
		CMP FT6					103.6 Ω/km*	10	0.6						2.1				
							91.8 Ω/km**	20	0.9						3.1				
								50	1.5						4.9				
						100	2.1	7.0											
						200	3.0	9.8											
						300	3.7	12.0											
						400	4.2	13.9											

18 AWG • Stranded (105x40) 1.0 mm Bare Copper • Duobond® IV Quad Shield

Foam Polyethylene Insulation • Black PVC Jacket																			
	High-Flex 3092F	NEC:	1000	305	44.1	20.0	1.02 mm	0.183	4.65	Duobond® IV Quad Shield 11.8 Ω/km***	0.303	7.70	75	79%	17.0	55.8	1	0.4	1.2
		CL2R CMR	5000	1524	220.0	99.8	18 AWG	2	0.5						1.5				
		CEC:					(105x40) BC	5	0.8						2.6				
		CMR FT4					46.2 Ω/km*	10	1.2						3.9				
							34.4 Ω/km**	20	2.0						6.6				
								50	3.2						10.5				
						100	4.6	15.1											
						200	6.5	21.3											
						300	8.0	26.2											
						400	9.3	30.5											

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • BC = Bare Copper • CCS = Copper-Covered Steel • DCR = DC resistance
† Final put-up length may vary 0% to +10% from length shown.

Duobond® IV see technical information page 23.13.

ControlNet™ is a ControlNet International trademark.