

1 RG6 QUAD + 1 CAT5E 350MHz. PVC Siamese

Description

Description: 1 RG-6 Quad Shd cable + 1 CAT5E 350MHz. Siamese Construction

Application: Horizontal Wiring in LAN

Reference Standard: EIA/TIA568 & ISO/EIC 11801

RG-6 Quad Specifications:



Structure Specs

Center Conductor	18 AWG	1.024mm
	CCS	CCS –Copper Cladding Steel
Dielectric	Foam Polyethylene	Diameter Over Dielectric: 4.57mm
Inner Shield	Foil: Alum	Alum Braid: 60% Coverage
Outer Shield	Foil: Alum	Alum Braid: 40% Coverage
Jacket	PVC	Diameter Over Jacket: 8.2 mm
Average Thickness(mm)		0.75
Jacket Colors		1- Black

Electrical Spec

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	> = 13.8
Aging Elongation (%)	> = 100
Aging Condition (Cxhrs)	100 x 168
After Tensile Strength (Mpa)	> = 85% of unaged
After Elongation (%)	> = 85% of unaged
Cold Bend (-20+/-2 Cx4hrs)	No crack

RG-6 Quad Performance

MHz	dB/100ft
55 MHz	5.25
300 MHz	11.64
550 MHz	16.08
750 MHz	18.54
865 MHz	20.01
1000 MHz	21.49
1450 MHz	26.6
2050 MHz	31.9
2200 MHz	33.8
2550 MHz	36.37
3000 MHz	39.82

Return loss	dB	5-300MHz	22
		300-2200MHz	20

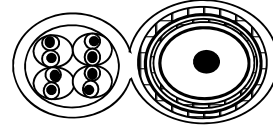
Standard Packaging/Jacket Color



1000'  
Wooden Reel  
White or Orange Jacket  
Weight: 62 lbs.

Part No.:16Q5ECMRRx

CAT 5E



RG6 QUAD

Cat5E 350MHz. Specifications:



Structure Specs:

Conductor:	1/ 0.50 mm, 24 AWG Solid Copper
Insulation:	PE
Average Thickness (mm):	0.205
Min. Point Thickness (mm):	0.202
Insulation Dia. (+/-0.01mm):	0.91
Twisted Pair Dia (+/-0.02mm):	1.82
Assembly Dia. (+/-0.1mm):	3.80
Outer Dia. (+/-0.2mm):	5.10
Jacket:	PVC
Jacket Colors:	Green

Electrical Specs:

Characteristic Impedance:	100 Ohm +/- 15 Ohm @ 1 - 100 MHz
Delay Skew:	(ns/100m) < = 45
Pair-to-Ground Capacitance Unbalance (pF/100m):	< = 300
Max. Conductor DC Resistance 20C (ohms/km):	93.8
Resistance Unbalanced (%):	< =5%

Cat 5E 350MHz. Performance

Frequency MHz	RL dB	Attenuation dB/100m	NEXT dB	ACR dB/100m
0.772	19.4	1.8	67	67.2
1	20	2	65.3	66.3
4	23	4.1	56.3	55.2
8	24.5	5.8	51.8	49
10	25	6.5	50.3	45.8
16	25	8.2	47.3	41
20	25	9.3	45.8	38.5
25	24.3	10.4	44.3	36.9
31.25	23.6	11.7	42.9	32.2
62.5	21.5	17	38.4	22.4
100	20.1	22	35.3	13.3
200	18	32.4	30.8	
300	16.8	41	28.02	
350	16.3	44.9	27.2	
Frequency MHz	Delay Max (ns/100m)	ELFEXT dB/100m	PSSELFEXT dB/100m	PSNEXT dB
0.772	575	66	63	64
1	570	63.8	60.8	62.3
4	552	51.7	48.7	53.3
8	546.7	45.7	42.7	48.8
10	545.4	43.8	40.8	47.3
16	543	39.7	36.7	44.3
20	542	37.7	34.7	42.8
25	541.2	35.8	32.8	41.3
31.25	540.4	33.9	30.9	39.9
62.5	538.6	27.8	24.8	35.4
100	537.6	23.8	20.8	32.3

\*All values in this specification are nominal and are subjective to tolerances of +/- 10 to 15%.

It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.