

DESCRIPTION:

RG-6 Quad Shd cable + 1 CAT5E 350 MHz.

Siamese Construction

Application: Horizontal Wiring in LAN

Reference Standard: EIA/TIA568 & ISO/EIC 11801



RG-6 QUAD PERFORMANCE

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

Return Loss dB	5-300Mhz	22
	300-2200 Mhz	20

STANDARD PACKAGING/JACKET COLOR



1000' Wooden Reel
Orange jacket
Weight: 62 lbs.

Toll Free: (866) 945-5051
Local: (770) 945-5051
Fax: (770) 945-9582
www.commoditycables.com

PHYSICAL PROPERTIES

RG6 QUAD SHLD CABLE

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

CAT5E 350 350 MHz. Siamese Construction

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 SPECIFICATION

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

*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*



Cat 5E 350 MHz. Performance

FREQUENCY (MHz)	ATT (dB/100m)	RL (dB)	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)	E L F E X T dB/100m	P S E L F E X T 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

Toll Free: (866) 945-5051
 Local: (770) 945-5051
 Fax: (770) 945-9582
www.commoditycables.com



*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*