

DESCRIPTION:

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

Application: Horizontal Wiring in LAN

Reference Standard: EIA/TIA568 & ISO/EIC 11801

Structure Specs

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

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

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PHYSICAL PROPERTIES

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%	



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

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*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*