

# Residential Cable

2 x Cat5e/2 x RG-6 Quad Shield  
 CATALOG #UH58360  
 Non-Plenum Type CMR

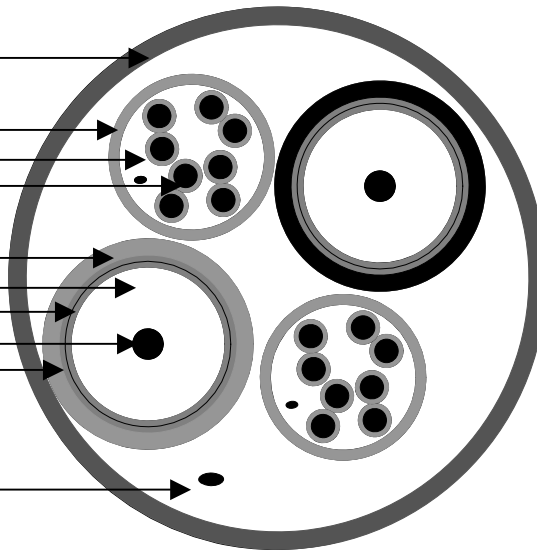
**2xCat5e/2xRG6 Quad Cable**  
 (Pictured)

**Outer Jacket**  
 PVC

**UTP**  
 PVC Jacket  
 PE Insulation  
 24 AWG Solid Copper

**RG 6**  
 PVC Jacket  
 Foamed PE Insulation  
 2 Aluminum Foil 100% Cov.  
 18 AWG Solid Copper  
 2 Aluminum Braid

Ripcord



**Pair Identification:**

Pair 1	Blue/White w/Co-Extruded Blue Stripe on White Single
Pair 2	Orange/White w/Co-Extruded Orange Stripe on White Single
Pair 3	Green/White w/Co-Extruded Green Stripe on White Single
Pair 4	Brown/White w/Co-Extruded Brown Stripe on White Single

**Sub-Unit Identification**

White	UTP
Gray	UTP
White	RG6
Black	RG6

Catalog Number	Cable Design	Nominal Cable OD	Weight (lb/1000')	Nominal Cat5 OD	Nominal RG6 OD	Jacket Color
UH58360	2xCat5e + 2xRG6 QD	.615"	138	.200"	.300"	Orange/Blue



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## Cat 5e Electrical Performance

Frequency MHz	Attenuation (dB/100m) Max	Pair to Pair		Return Loss (dB) Min	ACR (dB) Min	Power Sum		
		NEXT (dB) Min	ELFEXT (dB/100m) Min			NEXT (dB) Min	ELFEXT (dB/100m) Min	ACR (dB) Min
.772	1.8	67	66	NA	65	64	63	62
1.0	2.0	65	64	20.0	63	62	61	60
4.0	4.0	56	52	23.0	52	53	49	49
8.0	5.8	52	46	24.5	45	48	43	43
10.0	6.5	50	44	25.0	44	47	41	41
16.0	8.2	47	40	25.0	39	44	37	36
20.0	9.2	46	38	25.0	37	42	35	34
25.0	10.4	44	36	24.3	34	41	33	31
31.25	11.7	43	34	23.6	31	40	31	28
62.5	17.0	38	28	21.5	21	35	25	18
100.0	22.0	35	24	20.1	13	32	21	10

(All tests include swept frequency measurements)

NEXT, and Power Sum values are derived from functions and truncated to the nearest whole dB

Characteristic Impedance	100 ohms $\pm$ 15%
Capacitance	14 pf/ft nominal
DC Resistance/Unbalance	28.6 ohms/1000' Max/3.5% Max
Dielectric Breakdown	2500 Volts DC Conductor to Conductor
Nom. Velocity of Propagation	PE = 71%
Maximum Skew	11ns @ 100 meters

## RG 6 Electrical Performance

Impedance	75 ohms
Capacitance	16.2 pF/ft
Velocity Of Prop.	82%
Shield DCR (1000 ft.)	9.7 ohms
Conductor DCR (1000 ft.)	6.4 ohms
SRL 5 – 2200 MHz	15 dB

## Attenuation

Frequency MHz	Attenuation dB/100 ft.
50	1.41
100	1.92
200	2.64
1000	6.11
1450	7.49
1800	8.43

\* Subject to attenuation constraints

