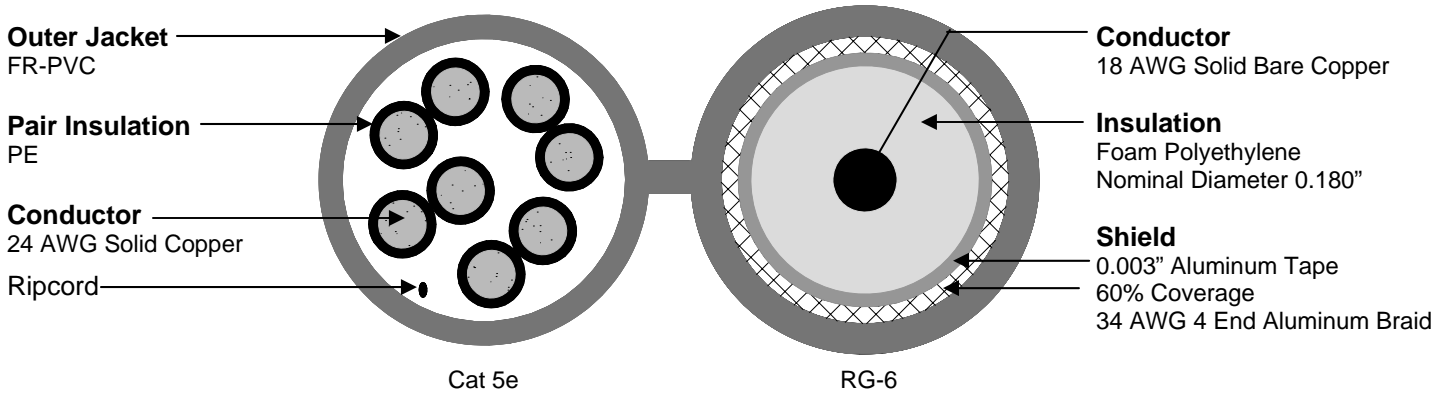


Cat 5e/RG-6 Siamese
Part Number: UH58100
Dual 4 Twisted Pair Cat 5e/RG-6 Cable
Non-Plenum: CM (ETL) c(ETL)

Dual 4 Twisted Pair/RG-6 Cable



Cat 5e 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

Mechanical Specification

	Cat 5E	RG-6
Nominal Jacket OD	0.210"	0.272"
Nominal Jacket Thickness	0.025"	0.030"
Jacket Minimum Spot Thickness	0.020"	0.027"
Webb Thickness	0.015"	
Installation Temperature	0°C to 60°C	
Operation Temperature	-20°C to 60°C	

Available Packaging: Reel

Available Colors:

Non-Plenum	Orange, Blue
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Fax:
 Int'l Fax:

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/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.)	31.8 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

