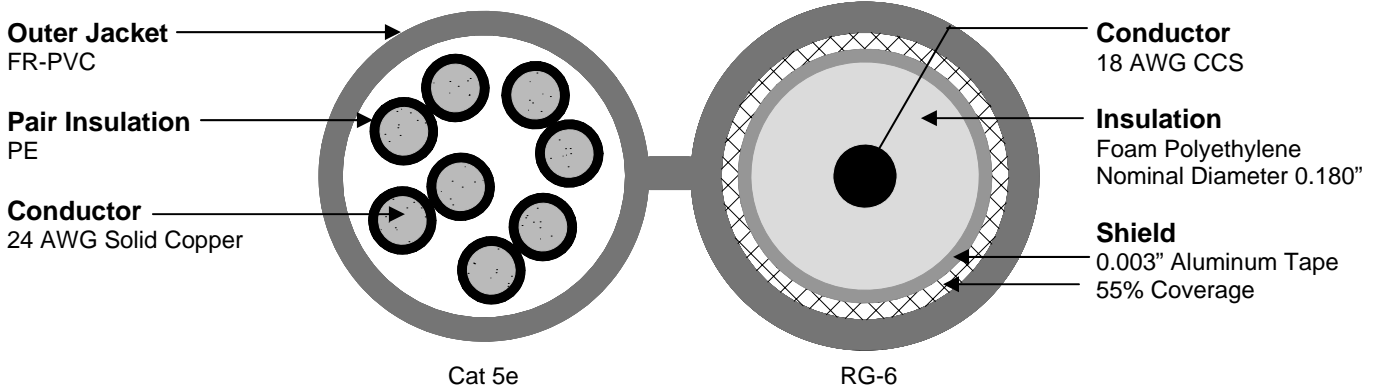


### Cat 5e/RG-6 Siamese

**Part Number: V6C5E**  
**Dual Twisted Pair Cat 5e/RG-6 Cable**  
**Non-Plenum: CMX (ETL) c(ETL)**

Dual 4 Twisted Pair/RG-6 Cable



**Cat 5e Pair Identification**

Pair 1	Blue/White
Pair 2	Orange/White
Pair 3	Green/White
Pair 4	Brown/White

**Mechanical Specification**

	Cat 5E	RG-6
Nominal Jacket OD	0.210"	0.270"
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	Black, Gray, Blue
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P.O. Box 520  
 2620 Heart Drive  
 Claremont, NC 28610  
 Phone: (828) 464-4419  
 Toll Free: (866) 366-5151  
 Fax: (828) 464-0287

**Cat 5e/RG-6 Siamese**  
**Part Number: V6C5E**  
**Dual Twisted Pair Cat 5e/RG-6 Cable**  
**Non-Plenum: CMX (ETL) c(ETL)**

**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**

Sparker Test	2500 VDC
Impedance	75 +/- 3.0ohms
Capacitance	16.2 +/- .25 pF/Ft.
Velocity Of Prop.	82%
Dielectric Strength	Conductor to Shield 2500 VDC
Conductor DCR (1000 ft)	32 ohms
SRL 5 – 3000 MHz	15 dB

**Attenuation**

Frequency MHz	Attenuation dB/100 ft.
100	1.95
900	5.90
1000	6.30
1450	7.60
1800	8.20