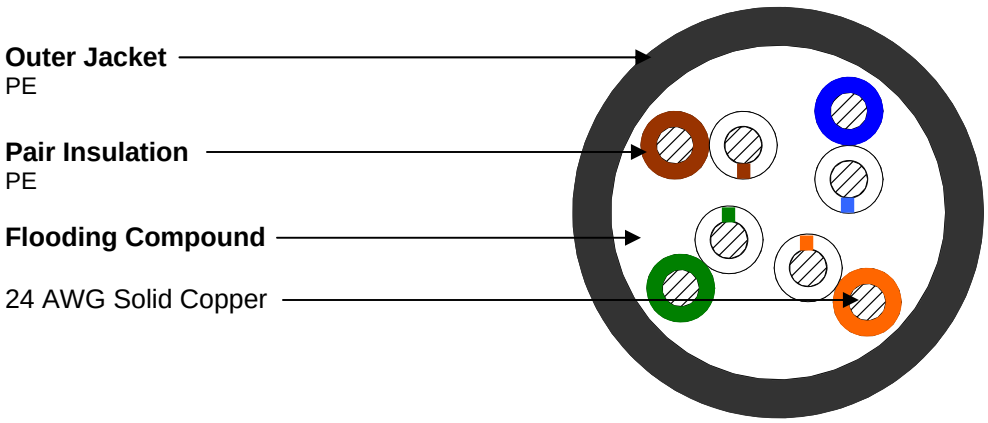
Outdoor UV Res Cat 5e Cable

ANSI/TIA/EIA 568-B.2
ISO/IEC 11801
NEMA WC 63
Part Number: VC5EF
4 Twisted Pair Flooded Cable

Vextra TECHNOLOGIES
P.O. Box 520
2620 Heart Drive
Claremont, NC 28610
Phone: (828) 464-4419
Toll Free: (866) 366-5151
Fax: (828) 464-0287

4 Twisted Pair Flooded Cable



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

Nominal Jacket OD	0.240”
Nominal Jacket Thickness	0.030”
Jacket Minimum Spot Thickness	0.026”
Installation Temperature 0°C to 60°C	
Operation Temperature -40°C to 70°C	

Available Packaging: Reel
Available Colors: Black

RoHS COMPLIANT

Drawings not to Scale
Specifications subject to change
Revised: 03/02/11

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Electrical Performance

Frequency MHz	Attenuation (dB/100m)		Near End Cross Talk (dB)		ACR (dB) Min/Avg	Power Sum (dB)			ELFEXT (dB/100m) Min	Return Loss (dB)	
	CommScope Max/Avg.	EIA/TIA 568 Category 5e	CommScope Min/Avg	EIA/TIA 568 Category 5e		NEXT Min	ELFEXT Min (dB/100m)	ACR Min		CommScope Min	EIA/TIA 568 Category 5e
.772	1.8/1.6	1.8	71/81	67	69/79	68	67	66	69	23.0	19.4
1.0	2.0/1.7	2.0	69/79	65	67/77	66	66	64	68	23.0	20.0
4.0	3.9/3.6	4.1	60/72	56	56/68	57	54	53	56	23.3	23.0
8.0	5.6/5.2	5.8	56/68	52	50/63	53	48	47	50	25.0	24.5
10.0	6.2/5.9	6.5	54/67	50	48/61	51	46	45	48	25.5	25.0
16.0	7.9/7.4	8.2	51/64	47	43/57	48	42	40	44	25.5	25.0
20.0	8.9/8.4	9.3	50/63	46	41/55	47	40	38	42	25.5	25.0
25.0	10.0/9.4	10.4	48/61	44	38/52	45	38	35	40	24.9	24.3
31.25	11.3/10.5	11.7	47/60	43	36/50	44	36	33	38	24.4	23.6
62.5	16.3/15.3	17.0	42/56	38	26/41	39	30	23	32	23.0	21.5
100.0	21.0/19.7	22.0	39/53	35	18/33	36	26	15	28	23.0	20.1

(All tests include swept frequency measurements)

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

Input Impedance	100 ohms ± 15 ohms ± 22 ohms	0.772 ≤ freq ≤100 100 < freq ≤ 200
Capacitance	17 pF/ft nominal	
DC Resistance/Unbalance	9.38 ohms/100m Max/ 2.5% Max	
Dielectric Breakdown	2500 Volts DC Conductor to Conductor	
Propagation Delay	4.59nSec/m Max @ 10MHz	
Propagation Delay Skew	13nSec/100m Max @ 10MHz	
Nominal Velocity of Propagation	61.7%	

Cables are specified with a 6% allowance on propagation delay to the TIA/EIA 568.B.2 specification, due to water proofing agents.

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