

Ultra II[®] Enhanced Category 5e Outdoor UV Res Cable

ANSI/TIA/EIA 568-B.2

ISO/IEC 11801

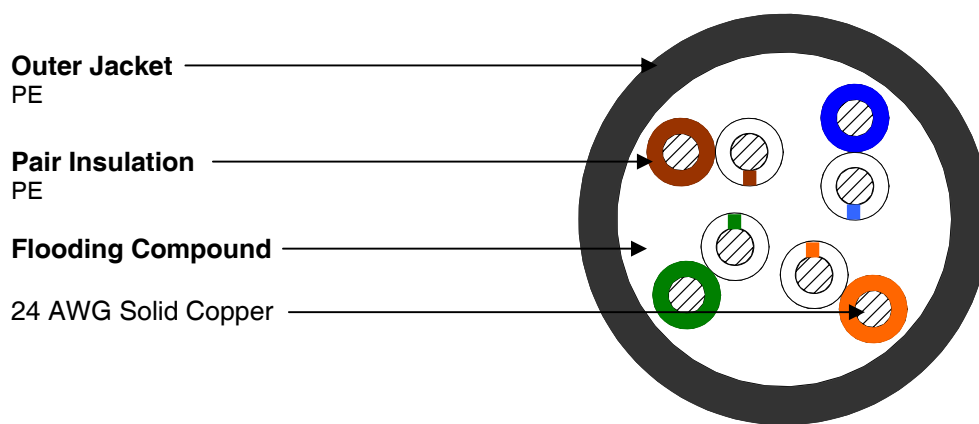
NEMA WC 63

Part Number: 5NF4

4 Twisted Pair Flooded Cable

1 of 2

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: Box or Reel

Available Colors: Black



1100 CommScope Place SE
PO Box 1729
Hickory, NC 28603-1729

(800) 982-1708
(828) 324-2200
(828) 328-3400
(828) 323-4989

Fax:
Int'l Fax:



www.commscope.com

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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
155.0	26.8/25.0	NA	36/51	NA	10/26	33	22	7	24	20.4	NA
200.0	30.9/28.8	NA	35/48	NA	4/19	32	20	1	22	19.8	NA
250.0	35.0/32.4	NA	34/47	NA	-2/15	30	18	-5	20	19.2	NA
300.0	38.9/35.9	NA	32/46	NA	-7/10	29	16	-10	18	16.8	NA
350.0	42.6/39.3	NA	31/43	NA	-11/4	28	15	-14	17	16.3	NA

(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 \pm 15 ohms \pm 22 ohms	0.772 \leq freq \leq 100 100 < freq \leq 200
Capacitance	4.6 nF/100m 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.



Drawings not to Scale
Specifications subject to change
Revision: 08/21/07