

Data Pipe™

Outdoor

ANSI/TIA/EIA 568 Category 5e

ISO/IEC 11801

NEMA WC 63

Part Number: 5EF4

4 Twisted Pair Flooded Cable

1 of 2

4 Twisted Pair Flooded Cable

Outer Jacket

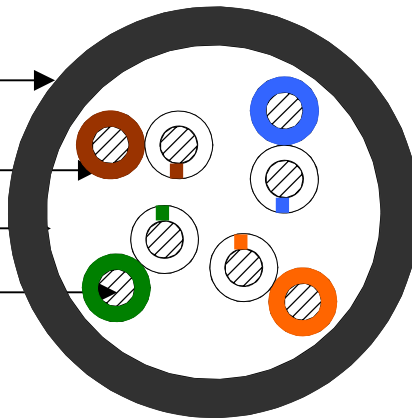
PE

Pair Insulation

PE

Flooding Compound

24 AWG Solid Copper



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

Non-Plenum

Nominal Jacket OD	0.240"
Nominal Jacket Thickness	0.030"
Jacket Minimum Spot Thickness	0.021"
Installation Temperature 0°C to 60°C	
Operation Temperature -40°C to 70°C	

Available Packaging: Reel in a Box or Reel

Available Colors: Black





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2 of 2

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
155.0	28.1	32	20	18.8	4	29	17	1
200.0	32.4	31	18	18.0	NA	28	15	NA

(All tests include swept frequency measurements)

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

(All tests include swept frequency measurements)

Input Impedance (Zin)	100 ohms ± 15 ohms	1-100 MHz
Capacitance/Unbalance	5.6 nF/100m Nominal / 330 pF/100m Max @ 1kHz	
DC Resistance/Unbalance	9.38 ohms/100m Max/ 5% Max	
Dielectric Breakdown	2500 Volts DC Conductor to Conductor	
Propagation Delay	5.7nSec/m Max @ 10MHz	
Propagation Delay Skew	15nSec/100m Max @ 10MHz	
Nominal Velocity of Propagation	61.7%	



Drawings not to Scale
Specifications subject to change
Revision: 06/01/06