

ANSI/TIA-568 Category 5E(350 MHz)

ISO/IEC 11801

ETL Type CMP, C(ETL)CMP



Part Number: **N5EP XX X XX**
Base Color Length Put Up

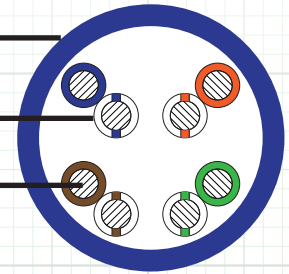
See Complete Part Number Legend & Example Below

4 Twisted Pair Cable

Outer Jacket — Plenum: LS, PVC

Pair Insulation — 3XFEP, 1XPE

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:

Plenum

Nominal Jacket OD	0.175"
Nominal Jacket Thickness	0.016"
Jacket Minimum Spot Thickness	0.012"
Installation Temperature	0°C to 60°C
Operation Temperature	-20°C to 60°C

Part # Legend: (Example: Blue, 1000', Pull Box = **N5EPBL1BX**) * Non-Stock, Requires Factory Minimum Run

N	5E	P	XX	X or XX	XX
Northern	Cbl. Type	Rating	Color	Length	Put Up

Rating Legend	
Plenum	P

Color Legend	
White	WH
Blue	BL
Yellow	YL
Black	BK
Orange	OR
Red	RD
Green	GN
Gray	GY
Purple	PR*
Pink	PK*

Length Legend	
500'	5
1000'	1
1500'	15*
2000	20*
2500	25*

Put Up Legend	
Pull Box	BX
Reel	RL*
Coil Pack	CP



Note: Specification subject to change without notice

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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	67.0	66.0	NA	65.2	64.0	63.0	62.0
1.0	2.0	65.3	63.8	20.0	63.3	62.3	60.8	60.3
4.0	4.1	56.3	51.7	23.0	52.2	53.3	48.7	49.2
8.0	5.8	51.8	45.7	24.5	46.0	48.8	42.7	43.0
10.0	6.5	50.3	43.8	25.0	43.8	47.3	40.8	40.8
16.0	8.2	47.3	39.9	25.0	39.0	44.3	36.7	36.0
20.0	9.2	45.8	37.7	25.0	36.5	42.8	34.7	33.5
25.0	10.4	44.3	35.8	24.3	33.9	41.3	32.8	30.9
31.25	11.7	42.9	33.9	23.6	31.2	39.9	30.9	28.2
62.5	17.0	38.4	27.8	21.5	21.4	35.4	24.8	18.4
100.0	22.0	35.3	23.8	20.1	13.3	32.3	20.8	10.3
155.0	28.1	32.5	19.9	18.8	4.4	29.5	16.9	1.4
200.0	32.4	30.8	17.7	18.0	NS	27.8	14.7	NS
300.0	41.00	32.3	17.2	16.8	NS	28.2	14.2	NS
350.0	44.9	30.2	15.9	16.3	NS	27.2	12.9	NS

(All tests include swept frequency measurements)

(Values above 200 MHz are for information purposes only)

Characteristic Impedance	100 ohms + 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	74%
Maximum Skew	15ns @ 100 meters

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