

ANSI/TIA-568 Category 6E (550 MHz)

ISO/IEC 11801

ETL Type CMP, CSA C(ETL)CMP



Part Number: N6EP XX X XX
Base Color Length Put Up

See Complete Part Number Legend & Example Below

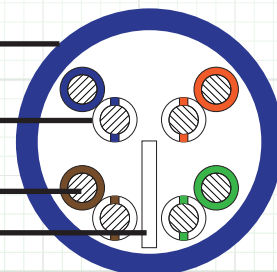
4 Twisted Pair Cable

Outer Jacket — Plenum: LS, PVC

Pair Insulation — Plenum: FEP

23 AWG Solid Copper

Separator Tape



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	0.215"
Nominal Jacket Thickness	0.019"
Jacket Minimum Spot Thickness	0.018"
Installation Temperature	0°C to 60°C
Operation Temperature	-20°C to 60°C

Part # Legend: (Example: Blue, 1000', Pull Box = **N6EPBL1BX**) * Non-Stock, Requires Factory Minimum Run

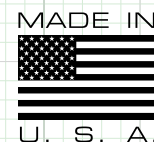
N	6E	P	XX	X or XX	XX
Northern	Cbl. Type	Rating	Color	Length	Put Up

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)	Near End Cross Talk (dB)	ACR (dB/100m) Min	Power Sum (dB)			ELFEXT (dB/100m) Min	RL (dB) Min
				NEXT Min	ELFEXT Min	ACR Min		
1.0	2.0	74.3	72.3	72.3	64.8	70.3	67.8	20.0
4.0	3.8	65.3	61.5	63.3	52.8	59.5	55.8	23.0
8.0	5.3	60.8	55.4	58.8	46.7	53.4	49.7	24.5
10.0	6.0	59.3	53.3	57.3	44.8	51.3	47.8	25.0
16.0	7.6	56.2	48.7	54.2	40.7	46.7	43.7	25.0
20.0	8.5	54.8	46.3	52.8	38.8	44.3	41.8	25.0
25.0	9.5	53.3	43.8	51.3	36.8	41.8	39.8	24.3
31.25	10.7	51.9	41.2	49.9	34.9	39.2	37.9	23.6
62.5	15.4	47.4	32.0	45.4	28.9	30.0	31.9	21.5
100.0	19.8	44.3	24.5	42.3	24.8	22.5	27.8	20.1
155.0	25.2	41.4	16.2	39.4	21.0	14.2	24.0	18.8
200.0	29.0	39.8	10.7	37.8	18.8	8.7	21.8	18.0
250.0	32.8	38.3	5.4	36.3	16.8	3.4	19.8	17.3
350.0	39.7	37.1	-3.6	34.1	13.9	-5.6	16.9	NS
400	42.9	36.3	-7.6	33.3	12.7	-9.6	15.8	NS
550	51.4	36.2	---	34.2	10.9	---	14.0	NS

(All tests include swept frequency measurements)

(Values above 250 MHz are for information purposes only)

Capacitance	4.6 nF/100m nominal
DC Resistance/Unbalance	6.66 ohms/100m Max/ 2.5% Max
Dielectric Breakdown	2500 Volts DC Conductor to Conductor
Propagation Delay	4.59nSec/m Max @ 10MHz
Propagation Delay Skew	≤45ns/100m
Nominal Velocity of Propagation, NVP	Plenum = 73%

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