

ANSI/TIA-568 Category 6 (250 MHz)

ISO/IEC 11801

ETL Type CMP, CSA C(ETL)CMP



Part Number: N6P XX X XX
Base Color Length Put Up

See Complete Part Number Legend & Example Below

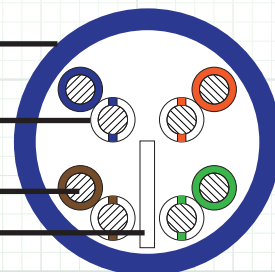
4 Twisted Pair Cable

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 = **N6PBL1BX**) * Non-Stock, Requires Factory Minimum Run

| N | 6 | 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 |

(All tests include swept frequency measurements)

| | |
|--------------------------------------|--------------------------------------|
| 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% |

Note: Specification subject to change without notice

Northern Category 6 Products: Jacks, Patch Panels, Patch Cords and Cable

Our Northern Family of Products are System Tested and meet ANSI/TIA C.2 CAT 6 Component, Permanent link and Channel Requirements.
Use these components when building your 6 solution:

Cable: N6ER**CC**1BX, N6P**CC**1BX, N6EP**CC**1BX
 Jacks: NJK6**CC**, NJK6HD**CC**
 Patch Panels: NPP612PM, NPP624P, NPP648P
 Patch Cords: NPC6**LLCC**

Other Northern Components Needed To Complete A System Solution:

Faceplates: NFPP**CC**, NFPP**CC**ID
 Surface Mount Boxes: NSMB**PCC**
 Modular Patch Panels: NPPMOD12PM, NPPMOD24P, NPPMOD48P
 Racks: NRR45U2P, NRR45U4P,
 Fixed Wall Racks: NWMRR241918, NWMRR361918, WMRR481918
 Swing-Out Wall Racks: NRRSWM1924, NRRSWM1936, NRRSWM1948
 Hinged Wall Mount Bracket: NHWB1U6BK, NHWB2U6BK, NHWB3U6BK, NHWB4U6BK
 Horizontal Cable Managers: NHCMFS1U, NHCMFS2U, NHCMD51U, NHCMD52U
 Vertical Cable Managers: NVWM**XXXX** SEE CATALOG
 Ladder Rack System: NLR1210 SEE CATALOG FOR OPTIONS

Part # Color Legend: **CC** = Color

| | |
|--------------|-----------|
| White | WH |
| Blue | BL |
| Black | BK |
| Ivory | IV |
| Light Almond | LA |
| Orange | OR |
| Red | RD |
| Yellow | YL |

Patch Cord Length Legend: **LL** = Available Length

Patch Cords are available in 1, 2, 3, 5, 7,10, 15, 20, 25, 35, 50, 75, 100 foot lengths

P = Port Count

Faceplate and Surface Mount Boxes available in 1, 2, 3, 4 ,6 port

* Other colors available subject to minimum orders