

DPLN100 Multi-Conductor - Category 3 Nonbonded-Pair Cable



For more Information
please call

1-800-Belden1



General Description:

CAT3 (16MHz), DIW 100-Pair, U/UTP-Unshielded, Plenum-CMP, Premise Backbone Cable, 24 AWG solid bare copper conductors, LS-PVC insulation, Ripcord, LS-PVC jacket

Usage (Overall)

Suitable Applications: Premise Backbone Cable

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 100 | 24 | Solid | BC - Bare Copper |

Total Number of Conductors: 200

Insulation

Insulation Material:

| Insulation Material |
|---------------------------------------|
| LS PVC - Low Smoke Polyvinyl Chloride |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material |
|-------------------------|---------------------------------------|
| Flamarrest® | LS PVC - Low Smoke Polyvinyl Chloride |

Outer Jacket Diameter:

| Nom. Dia. (in.) |
|-----------------|
| 0.760 |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Group/Cond. Color |
|--------|-------------------|
| 1 | Blue/White |
| 2 | Orange/White |
| 3 | Green/White |
| 4 | Brown/White |

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | White/Blue |
| 2 | White/Orange |
| 3 | White/Green |
| 4 | White/Brown |
| 5 | White/Slate |
| 6 | Red/Blue |
| 7 | Red/Orange |
| 8 | Red/Green |
| 9 | Red/Brown |
| 10 | Red/Slate |
| 11 | Black/Blue |
| 12 | Black/Orange |
| 13 | Black/Green |
| 14 | Black/Brown |
| 15 | Black/Slate |
| 16 | Yellow/Blue |
| 17 | Yellow/Orange |
| 18 | Yellow/Green |
| 19 | Yellow/Brown |
| 20 | Yellow/Slate |

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| | |
|----|---------------|
| 21 | Violet/Blue |
| 22 | Violet/Orange |
| 23 | Violet/Green |
| 24 | Violet/Brown |
| 25 | Violet/Slate |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|------------------|
| Operating Temperature Range: | -30°C To +60°C |
| UL Temperature Rating: | 60°C |
| Bulk Cable Weight: | 450 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 600 lbs. |
| Min. Bend Radius/Minor Axis: | 7.600 in. |
| Min. Bend/Installation: | 7.600 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|---|
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | CMP |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 08/19/2005 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| Other Specification: | Meets Category 3 transmission performance requirements for multi-pair backbone cables as specified by TIA/EIA 568 B-2, including power-sum NEXT |

Flame Test

| | |
|-------------------|----------|
| UL Flame Test: | NFPA 262 |
| C(UL) Flame Test: | FT6 |

Plenum/Non-Plenum

| | |
|--------------------|--------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | DIW100 |

Electrical Characteristics (Overall)

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)

9.380

Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)

5.000

Electrical Characteristics-Premise (Overall)

Premise Cable Electricals:

| Freq. (MHz) | Max. Attenuation (dB/100 m) | Min. PSNEXT (dB) | Min. SRL (dB) | Fitted Imp. (Ohms) |
|-------------|-----------------------------|------------------|---------------|--------------------|
| .772 | 2.200 | 43 | | |
| 1.0 | 2.600 | 41 | 12 | 100 +/- 15 |
| 4.0 | 5.600 | 32 | 12 | 100 +/- 15 |
| 8.0 | 8.500 | 28 | 12 | 100 +/- 15 |
| 10.0 | 9.700 | 26 | 12 | 100 +/- 15 |
| 16.0 | 13.100 | 23 | 10 | 100 +/- 15 |

Notes (Overall)

Notes: Jacket sequentially printed with dual footage and meter markings.

Reference (Overall)

| | |
|-----------------------|----------|
| Previous Part Number: | 24571250 |
|-----------------------|----------|

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Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|-------|-------------|-------------------|-------|--------------------------|
| DPLN100 732CUT | 1 FT | 0.000 | GRAY, LIGHT OLIVE | | CAT3 100PR U/UTP CMP CUT |

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