



Product: [DPLN25](#) 

Category 3 Backbone Cable, 25 Pair, U/UTP, CMP

Product Description

Category 3 Premise Backbone Cable (16MHz), DIW 25 Pair, 24 AWG Solid Bare Copper Conductors, U/UTP, Plenum-CMP, PVC-LS Jacket

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Premise Backbone Cable, Ethernet 10BASE-T, Analog Phone, FAX |
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Construction Details

Conductor

| Size | Stranding | Material | No. of Pairs |
|--------|-----------|------------------|--------------|
| 24 AWG | Solid | BC - Bare Copper | 25 |

Insulation

| Material | Color Code |
|--------------------------|--------------------------------|
| PVC - Polyvinyl Chloride | Western Electric (Non-Striped) |

Outer Jacket

| Material | Material Trade Name | Nom. Diameter | Ripcord |
|--------------------------|---------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | Flamarrest® | 0.380 in (9.65 mm) | Yes |

Electrical Characteristics

Electricals

| Max. Conductor DCR | Max. Capacitance Unbalance |
|-------------------------------|----------------------------|
| 93.8 Ohm/km (28.6 Ohm/1000ft) | 330 pF/100m |

Delay

| Frequency | Max. Delay | Max. Delay Skew | Nom. Velocity of Prop. |
|-----------|-------------|-----------------|------------------------|
| 16 MHz | 543 ns/100m | 45 ns/100m | 61% |

High Frequency

| Frequency [MHz] | Max. Insertion Loss (Attenuation) | Min. NEXT [dB] | Min. PSNEXT [dB] | Min. ACR [dB] | Min. PSACR [dB] | Min. RL (Return Loss) [dB] | Max./Min. Fitted Impedance [Ohm] |
|-----------------|-----------------------------------|----------------|------------------|---------------|-----------------|----------------------------|----------------------------------|
| 0.772 | 2.2 dB/100m | 47.0 | 43.0 | 50.1 | 46.1 | | |
| 1 | 2.6 dB/100m | 45.0 | 41.0 | 47.8 | 43.8 | 12.0 | 100 ± 15 |
| 4 | 5.6 dB/100m | 36.0 | 32.0 | 36.0 | 32.0 | 12.0 | 100 ± 15 |
| 8 | 8.5 dB/100m | 31.0 | 28.0 | 28.3 | 24.3 | 12.0 | 100 ± 15 |
| 10 | 9.7 dB/100m | 30.0 | 26.0 | 26.2 | 22.3 | 12.0 | 100 ± 15 |
| 16 | 13.1 dB/100m | 27.0 | 23.0 | 20.1 | 16.1 | 10.0 | 100 ± 15 |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMP) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating | Installation | Storage |
|----------------|----------------|--------------|----------------|
| 60°C | -30°C To +60°C | 0°C To +50°C | -30°C To +60°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 4.0 in (100 mm) | 7.75 in (197 mm) |

| | |
|--------------------|-----------------|
| Max. Pull Tension: | 150 lbs (68 kg) |
| Bulk Cable Weight: | 103 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Plenum, Indoor |
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca; CPR UKCA Class: Eca |
| NEC / UL Compliance: | CMP |
| CEC / C(UL) Compliance: | CMP |
| ICEA Compliance: | S-90-661 |
| NEMA Compliance: | NEMA WC-63.1 |
| Data Category: | Category 3 |
| TIA/EIA Compliance: | ANSI/TIA-568.2-D Category 3 |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16 |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Non-Plenum Number: | DIW25 |

Product Notes

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| Notes: | Electrical values are expected performance based on cable testing and representative performance within a typical Belden system. Print Includes Descending Footage/Meter Markings. |
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History

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| Update and Revision: | Revision Number: 0.466 Revision Date: 09-07-2025 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|-----------------|-------|---------------|----------|--------------|
| DPLN25 732S1007 | Gray | | | |
| DPLN25 732CUT | Olive | Cut to Length | | 612825060987 |
| DPLN25 732CUT | Olive | Cut to Length | 1 ft | 612825060987 |
| DPLN25 7321000 | Olive | Reel | 1,000 ft | 612825060994 |
| DPLN25 7321000 | Olive | Reel | 1,000 ft | 612825060994 |

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