

DIW2 Multi-Conductor - Category 3 Nonbonded-Pair Cable



For more Information
please call

1-800-Belden1

**General Description:**

CAT3, DIW 2-Pair, U/UTP-Unshielded, Riser-CMR, Premise Horizontal Cable, 24 AWG solid bare copper conductors, PVC insulation, Ripcord, PVC jacket

Usage (Overall)

Suitable Applications: Premise Backbone Cable

Physical Characteristics (Overall)**Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2 | 24 | Solid | BC - Bare Copper |

Total Number of Conductors: 4

Insulation

Insulation Material:

| Insulation Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Outer Jacket Diameter:

| Nom. Dia. (in.) |
|-----------------|
| 0.125 |

Pair

Pair Color Code Chart:

| Number | Color |
|--------|--------------|
| 1 | White/Blue |
| 2 | White/Orange |

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

Bulk Cable Weight: 11 lbs/1000 ft.

Min. Bend Radius/Minor Axis: 1 in.

Min. Bend/Installation: 1.250 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMR

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2000/53/EC (ELV): Yes

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| | |
|---------------------------------------|---|
| 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: | UL1666 Riser |
| C(UL) Flame Test: | FT4 |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

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: | 24501922 |
|-----------------------|----------|

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------------------|-------|------------------------|
| DIW2 732U2500 | 2,500 FT | 27.500 LB | GRAY, LIGHT OLIVE | | CAT3 2PR U/UTP CMR BOX |

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