

## DIW2 Multi-Conductor - Category 3 Nonbonded-Pair Cable

For more Information  
please call

1-800-Belden1



### Description:

24 AWG solid bare copper conductors, polyolefin insulation, twisted pairs, rip cord, 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
PO - Polyolefin

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.124

#### Pair

**Pair Color Code Chart:**

Number	Color
1	White/Blue
2	White/Orange

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-30°C To +60°C
<b>UL Temperature Rating:</b>	60°C
<b>Bulk Cable Weight:</b>	12 lbs/1000 ft.
<b>Min. Bend Radius/Minor Axis:</b>	1 in.
<b>Min. Bend/Installation:</b>	1.250 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMR
<b>CEC/C(UL) Specification:</b>	CMR
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes

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<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	08/19/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Other Specification:</b>	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

<b>UL Flame Test:</b>	UL1666 Riser
<b>C(UL) Flame Test:</b>	FT4

### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Electrical Characteristics (Overall)

#### Maximum Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/100 m)</b>
9.380

#### Maximum DCR Unbalanced:

<b>DCR Unbalance @ 20°C (%)</b>
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)

<b>Previous Part Number:</b>	24501922
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### 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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