

## DIW25 Multi-Conductor - Category 3 Nonbonded-Pair Cable



For more Information  
please call

1-800-Belden1



### General Description:

CAT3 (16MHz), DIW 25-Pair, U/UTP-Unshielded, Riser-CMR, Premise Backbone 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
25	24	Solid	BC - Bare Copper

**Total Number of Conductors:** 50

#### Insulation

**Insulation Material:**

Insulation Material
PVC - Polyvinyl Chloride

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

**Overall Nominal Diameter:** 9.652 mm

#### 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:	148.820 Kg/Km
Max. Recommended Pulling Tension:	667.230 N
Min. Bend Radius/Minor Axis:	96.520 mm
Min. Bend/Installation:	96.520 mm

### 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
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
Plenum Number:	DPLN25

### 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

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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:** 24501858

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
DIW25 2901000	1,000 FT	96.000 LB	BEIGE, LIGHT		CAT3 25PR U/UTP CMR REEL
DIW25 732CUT	1 FT	0.100 FT	GRAY, LIGHT OLIVE		CAT3 25PR U/UTP CMR CUT
DIW25 7321000	1,000 FT	96.000 LB	GRAY, LIGHT OLIVE		CAT3 25PR U/UTP CMR REEL
DIW25 732500	500 FT	89.500 LB	GRAY, LIGHT OLIVE		CAT3 25PR U/UTP CMR REEL
DIW25 7325000	5,000 FT	115.000 LB	GRAY, LIGHT OLIVE		CAT3 25PR U/UTP CMR REEL

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