

## DPLN100 Multi-Conductor - Category 3 Nonbonded-Pair Cable



For more Information  
please call

1-800-Belden1



### Description:

24 AWG solid bare copper conductors, LS PVC insulation, twisted pairs, rip cord, 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. (mm)
19.304

#### 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

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14	Black/Brown
15	Black/Slate
16	Yellow/Blue
17	Yellow/Orange
18	Yellow/Green
19	Yellow/Brown
20	Yellow/Slate
21	Violet/Blue
22	Violet/Orange
23	Violet/Green
24	Violet/Brown
25	Violet/Slate

### 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>	669.690 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	2668.920 N
<b>Min. Bend Radius/Minor Axis:</b>	193.040 mm
<b>Min. Bend/Installation:</b>	193.040 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMP
<b>CEC/C(UL) Specification:</b>	CMP
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<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>	NFPA 262
<b>C(UL) Flame Test:</b>	FT6

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	Yes
<b>Non-Plenum Number:</b>	DIW100

### 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

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### 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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
DPLN100 732CUT	0 MT	0.000 FT	GRAY, LIGHT OLIVE		CAT3 100PR U/UTP CMP CUT

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