

DPLN50 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
50	24	Solid	BC - Bare Copper

Total Number of Conductors: 100

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)
13.716

Overall Cable

Overall Cabling Color Code Chart:

Number	Group/Cond. Color
1	Blue/White
2	Orange/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
14	Black/Brown
15	Black/Slate

DPLN50 Multi-Conductor - Category 3 Nonbonded-Pair Cable

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)

Operating Temperature Range:	-30°C To +60°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	334.845 Kg/Km
Max. Recommended Pulling Tension:	1334.460 N
Min. Bend Radius/Minor Axis:	137.160 mm
Min. Bend/Installation:	137.160 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
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:	NFPA 262
C(UL) Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	DIW50

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)

DPLN50 Multi-Conductor - Category 3 Nonbonded-Pair Cable

.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: 24571235

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
DPLN50 732CUT	0 MT	0.000 FT	GRAY, LIGHT OLIVE		CAT3 50PR U/UTP CMP CUT (SMI)

Revision Number: 1 Revision Date: 07-11-2012

© 2012 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.