

DIW12 Multi-Conductor - Category 3 Nonbonded-Pair Cable

For more Information
please call

1-800-Belden1



Description:

24 AWG solid bare copper conductors, PVC insulation, twisted pairs, rip cord, PVC jacket.

Usage (Overall)

Suitable Applications: Premise Backbone Cable

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
12	24	Solid	BC - Bare Copper

Total Number of Conductors: 24

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Diameter:

Nom. Dia. (mm)
6.858

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

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 60°C

Bulk Cable Weight: 81.851 Kg/Km

Max. Recommended Pulling Tension: 333.615 N

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Min. Bend Radius/Minor Axis: 68.580 mm

Min. Bend/Installation: 68.580 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMR

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

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: 24501837

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
DIW12 7321000	305 MT	21.319 KG	GRAY, LIGHT OLIVE		CAT3 12PR U/UTP CMR REEL

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