

DATA Sheet

IBDN Plus Modular Cord Category 5

Belden IBDN Plus Modular Cords are made of Category 5 Plenum and Riser rated 24 AWG IBDN Plus Patch Cable and support T568A (ISDN) and T568B (ALT) pin configurations.

Features and Benefits

- > Low Skew, will not impair parallel transmission protocol operation at 100 Mb/s and 622 Mb/s
- > PowerSum NEXT & FEXT controlled for parallel full-duplex transmission protocols.

Applications

- > Telecommunications outlet connections
- > MDVO connections
- > Consolidation point connections
- > Patch panel connections
- > Equipment connections.

Technical Specifications

Construction

- > Conductors: 24 AWG stranded or solid copper
 - > Insulation:
 - CMR: High-density polyethylene (HDPE)
 - CMP: FEP on 100% of conductors.
 - > Cable Core: Four twisted pairs formed into a cable core
 - > Jacket:
 - CMR: Polyvinyl Chloride (PVC)
 - CMP: LSPVC
- CMR cords are available in the following colors: Gray, Blue, Green, Red, White and Yellow
- CMP cords available in Gray only
- Jacket printed at intervals indicating cable code, AWG, UL.



IBDN Plus Modular Cord

Mechanical Characteristics

- > Durability: 1000 mating cycles
- > Contact material: phosphor bronze with 50 micro-inches gold over nickel.

4-PAIR, 24 AWG	NOMINAL O.D.	MIN. BEND RADIUS	WEIGHT
Solid,	4.32 mm	17.20 mm	2.8 kg/100 m
CMR	(0.170 in.)	(0.680 in.)	(18.0 lb/kft)
Stranded,	4.60 mm	18.39 mm	3.0 kg/100 m
CMR	(0.181 in.)	(0.724 in.)	(20.0 lb/kft)
Solid,	4.78 mm	19.10 mm	3.2 kg/100 m
CMP	(0.188 in.)	(0.752 in.)	(22.0 lb/kft)

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Electrical Characteristics

- > Dielectric strength: 1,000 ohms RMS at 60 Hz for 1 minute
- > Voltage rating: 150 VAC maximum
- > Current rating: 1.5 A maximum
- > Insulation resistance: 500 Mega-ohms minimum
- > Contact resistance: 10 milli-ohms maximum.

Color Code

PAIR NO.	TIP INSULATION	RING INSULATION
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Configuration

- > The wire termination sequence for the open end of a T568A/B-open cord (Pigtail) on a BIX or any IDC connector should be as per (Table 1) for T568A environments and per (Table 2) for the T568B environments.

TERMINAL	T568A ENVIRONMENT	T568B ENVIRONMENT
1	WH/BL	WH/BL
2	BL	BL
3	WH/OR	WH/GR
4	OR	GR
5	WH/GR	WH/OR
6	GR	OR
7	WH/BR	WH/BR
8	BR	BR

Qualifications

- > Belden IBDN Plus Modular Cord:
 - Meets or exceeds ANSI/TIA/EIA-568-A.4, Category 5 specifications for modular cord NEXT
 - UL Listed as a Communication Circuit Accessories.
- > Belden IBDN Plus Patch Cable:
 - Non-Plenum: Listed as NEC Type CMR per UL Standard 444
 - Plenum: Listed as NEC Type CMP per UL Standard 444.
- > Modular Plug:
 - UL Listed in accordance with file UL E77103
 - FCC Part 68 Sub-part F compliant
 - UL 94-V0 Flame Rating compliant.

Packaging

- > Individually packaged in a clear plastic bag
- > Minimum ordering quantity: 10
- > Ordering increments: 10.

For More Information

For any other product information call: 1-800-BELDEN-1 or visit us at www.Belden.com

All information is subject to change without notice, since Belden reserves the right to change its products as progress in engineering and manufacturing methods or other circumstances may warrant.

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Ordering Information

IBDN Plus Modular Cord, CMR, 4-pair, 24 AWG stranded, T568A/B-T568A/B

LENGTH	ORDERING NUMBER	ORDERING NUMBER	ORDERING NUMBER
	BLUE	GREEN	RED
0.6 m (2 ft.)	23518027	23528027	23538027
1.2 m (4 ft.)	23518047	23528047	23538047
2.1 m (7 ft.)	23518077	23528077	23538077
3.0 m (10 ft.)	23518107	23528107	23538107
4.6 m (15 ft.)	23518157	23528157	23538157
7.6 m (25 ft.)	23518257	23528257	23538257
	WHITE	YELLOW	GRAY
0.6 m (2 ft.)	23548027	23568027	23598027
1.2 m (4 ft.)	23548047	23568047	23598047
2.1 m (7 ft.)	23548077	23568077	23598077
3.0 m (10 ft.)	23548107	23568107	23598107
4.6 m (15 ft.)	23548157	23568157	23598157
7.6 m (25 ft.)	23548257	23568257	23598257

CMR, 4-PAIR, 24 AWG STRANDED, T568A-T568B X-OVER

LENGTH	ORDERING NUMBER
	GRAY
2.1 m (7 ft.)	23598074
4.6 m (15 ft.)	23598154
7.6 m (25 ft.)	23598254

4-PAIR, 24 AWG SOLID, T568A/B-T568A/B

LENGTH	ORDERING NUMBER
	GRAY
CMR, 2.1 m (7 ft.)	23498077
CMP, 2.1 m (7 ft.)	23338077
CMR, 3.0 m (10 ft.)	23498107
CMP, 3.0 m (10 ft.)	23398107
CMR, 7.6 m (25 ft.)	23498257
CMP, 7.6 m (25 ft.)	23398257
CMR, 15.0 m (50 ft.)	23498507
CMP, 15.0 m (50 ft.)	23398507
CMR, 20.1 m (66 ft.)	23498667
CMP, 20.1 m (66 ft.)	23398667

4-PAIR, 24 AWG SOLID, T568A/B-OPEN

LENGTH	ORDERING NUMBER
	GRAY
CMR, 3.0 m (10 ft.)	23498105
CMR, 4.6 m (15 ft.)	23498155
CMR, 7.6 m (25 ft.)	23498255
CMP, 7.6 m (25 ft.)	23398255
CMR, 10.6 m (35 ft.)	23498355
CMP, 10.6 m (35 ft.)	23398355
CMR, 15.0 m (50 ft.)	23498505
CMP, 15.0 m (50 ft.)	23398505