

# 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](http://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.

## IBDN Plus Modular Cord Category 5

### 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

	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

	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

	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