

## Features

- Space-saving design - configuration increases pair density by up to 40 % when compared to older types of connector blocks
- Industry-standard configuration accepts all standard 303-type protector modules and testing equipment
- Front-facing test field - easy access for testing during installation and maintenance
- Multiple grounding options - choice of frame, independent or isolated grounding

## Model C-377 100-Pair Connector

Bourns® C-377 Central Office Connector has a space-saving design that provides up to 40 % greater pair density when compared to older types of connectors. These connectors may be used on central office mainframes, wall-mounted and free-standing modular frames and Private Automatic Branch Exchange (PABX) grids.

The 279 mm high (11 inches) design does this without sacrificing any features. The protector module, jumper and test fields all employ a 5 x 20 configuration and are clearly labeled for easy identification. Stub cable and jumper wire terminations are completed using wire-wrap technology. Connectors equipped with a stub cable are shipped in the stubdown orientation. The stub direction may be reversed in the field as required.

When installed on standard mainframes, the C-377 connector allows ample working space between frame verticals and does not encroach on aisle working room. The front-facing test field permits easy access for single or multi-pair testing. In addition, a unique "T-guard" prevents inadvertent contact with live circuits when removing protector modules from adjacent connectors.

The C-377 connector accepts the full line of industry standard 303-type, 5-pin protector modules including Bourns® hybrid, solid state and gas tube modules. Because the contacts in the connector are tin-alloy plated, protector modules should also have tin-alloy plated pins to ensure optimal performance.

### Specifications

#### Plastic Materials

Main Body.....Polycarbonate, ivory, UL 94V-0

#### Metal Parts

Mounting Hardware .....Steel, zinc-plated

Current-Carrying Components .....Copper or copper alloys, tin-plated

#### Cable Stub

Description.....22 or 24 AWG, 100-pair; bonded PVC jacket, stub down

Pressure .....Unpressurized

Termination .....Wire-wrap

Grounding .....#10 AWG cable ground (drain wire) to mounting bracket

Resistance .....<5 milliohms (from cable shield bond to connector ground reference)

#### Cross-Connect (Jumper) Connections

Termination .....Wire-wrap

Contact Resistance.....< 2 milliohms

Dielectric Strength .....> 1500 VDC and >1000 VAC @ 50-60 Hz for two minutes

Insulation Resistance.....> 30 megohms @ 1000 VDC

Environmental Conditions .....Operating environment with temperature ranging from 0 °C (+32 °F) to +50 °C (+122 °F) up to 95% R.H.

#### Temperature Characteristics

High Temperature.....+60 °C (+140 °F) without deformation

#### Frame Vertical Capacities

Height 2.13 m (7.0 ft.) .....600 pairs

Height 2.44 m (8.0 ft.) .....700 pairs

Height 2.74 m (9.0 ft.) .....800 pairs

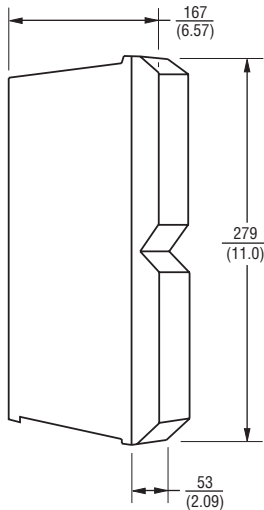
Height 3.51 m (11.5 ft.) .....1100 pairs

Height 4.27 m (14.0 ft.) .....1400 pairs

# Model C-377 100-Pair Connector

**BOURNS®**

## Product Dimensions



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$

## Packaging Specifications

Product Code	Std. Pack	Stub Length m (ft.)	Size (H x W x D) mm (in.)	Weight kg (lb.)
<b>Stubless</b>				
377-0000	1	0	150 x 380 x 300 (6 x 15 x 12)	2.7 (6.0)
<b>22 AWG Stub</b>				
377-0023	1	9.1 (30)	790 x 790 x 150 (31 x 31 x 6)	12.7 (28)
377-0025	1	15.2 (50)	790 x 790 x 150 (31 x 31 x 6)	19.1 (42)
377-0028	1	24.4 (80)	790 x 790 x 150 (31 x 31 x 6)	29.1 (64)
377-0020	1	30.5 (100)	790 x 790 x 300 (31 x 31 x 12)	35.5 (78)
377-002H	1	45.7 (150)	790 x 790 x 300 (31 x 31 x 12)	51.8 (115)
377-002N	1	61.0 (200)	790 x 790 x 300 (31 x 31 x 12)	68.2 (150)
<b>24 AWG Stub</b>				
377-0043	1	9.1 (30)	790 x 790 x 150 (31 x 31 x 6)	10.0 (22)
377-0045	1	15.2 (50)	790 x 790 x 150 (31 x 31 x 6)	14.5 (32)
377-0048	1	24.4 (80)	790 x 790 x 150 (31 x 31 x 6)	21.4 (47)
377-0040	1	30.5 (100)	790 x 790 x 300 (31 x 31 x 12)	25.9 (57)
377-004H	1	45.7 (150)	790 x 790 x 300 (31 x 31 x 12)	37.7 (83)
377-004N	1	61.0 (200)	790 x 790 x 300 (31 x 31 x 12)	49.1 (108)

## How to Order

Product Code	Part Number	Description
<b>Stubless</b>		
377-0000	<b>A0312447</b>	C-377 Connector, 100 pair, tin, stubless
<b>22 AWG Stub</b>		
377-0023	<b>A0344607</b>	C-377 Connector, 100 pair, tin, 22 AWG 30 ft stub down
377-0025	<b>A0344609</b>	C-377 Connector, 100 pair, tin, 22 AWG 50 ft stub down
377-0028	<b>A0344610</b>	C-377 Connector, 100 pair, tin, 22 AWG 80 ft stub down
377-0020	<b>A0344611</b>	C-377 Connector, 100 pair, tin, 22 AWG 100 ft stub down
377-002H	<b>377-002H</b>	C-377 Connector, 100 pair, tin, 22 AWG 150 ft stub down
377-002N	<b>377-002N</b>	C-377 Connector, 100 pair, tin, 22 AWG 200 ft stub down
<b>24 AWG Stub</b>		
377-0043	<b>A0344602</b>	C-377 Connector, 100 pair, gold, 24 AWG 30 ft stub down
377-0045	<b>A0344603</b>	C-377 Connector, 100 pair, gold, 24 AWG 50 ft stub down
377-0048	<b>A0344604</b>	C-377 Connector, 100 pair, gold, 24 AWG 80 ft stub down
377-0040	<b>A0344605</b>	C-377 Connector, 100 pair, gold, 24 AWG 100 ft stub down
377-004H	<b>377-004H</b>	C-377 Connector, 100 pair, gold, 24 AWG 150 ft stub down
377-004N	<b>377-004N</b>	C-377 Connector, 100 pair, gold, 24 AWG 200 ft stub down

Note: A full range of protector modules, mounting bar assemblies, testing connector and cords are available for the C-377 connector.

Note: Order by Part Number.

REV. A 08/09

Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications