

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

The CNI 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 stub down 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 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 HardwareSteel, zinc-plated

Current-Carrying ComponentsCopper or copper alloys, tin-plated

Cable Stub

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

PressureUnpressurized

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

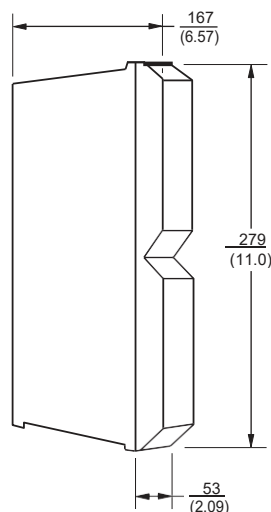
Height 2.74 m (9.0 ft.)800 pairs

Height 3.51 m (11.5 ft.)1100 pairs

Height 4.27 m (14.0 ft.)1400 pairs

Model C-377 100-Pair Connector

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.)
Stubless				
377-0000	1	0	150 x 380 x 300 (6 x 15 x 12)	2.7 (6.0)
22 AWG Stub				
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)
24 AWG Stub				
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
Stubless		
377-0000	A0312447	C-377 Connector, 100 pair, tin, stubless
22 AWG Stub		
377-0023	A0344607	C-377 Connector, 100 pair, tin, 22 AWG 30 ft stub down
377-0025	A0344609	C-377 Connector, 100 pair, tin, 22 AWG 50 ft stub down
377-0028	A0344610	C-377 Connector, 100 pair, tin, 22 AWG 80 ft stub down
377-0020	A0344611	C-377 Connector, 100 pair, tin, 22 AWG 100 ft stub down
377-002H	377-002H	C-377 Connector, 100 pair, tin, 22 AWG 150 ft stub down
377-002N	377-002N	C-377 Connector, 100 pair, tin, 22 AWG 200 ft stub down
24 AWG Stub		
377-0043	A0344602	C-377 Connector, 100 pair, gold, 24 AWG 30 ft stub down
377-0045	A0344603	C-377 Connector, 100 pair, gold, 24 AWG 50 ft stub down
377-0048	A0344604	C-377 Connector, 100 pair, gold, 24 AWG 80 ft stub down
377-0040	A0344605	C-377 Connector, 100 pair, gold, 24 AWG 100 ft stub down
377-004H	377-004H	C-377 Connector, 100 pair, gold, 24 AWG 150 ft stub down
377-004N	377-004N	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. 05/01/2020

Comtest Networks Inc. (CNI)
comtestnetworks.com

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

The products described herein and this document are subject to specific legal disclaimers as set forth at comtestnetworks.com/<TBD>/disclaimer.pdf.