R355
Central Office Connector

Key Features

- High density saves space; increases number of protected cable pair per frame vertical

- Narrow block width allows large inter-vertical working space for fast, convenient jumper administration

- Front ground test point option saves labor and increases reliability; provides a convenient place to attach an alligator clip without reaching behind the connector

- Accepts industry standard protector modules to permit a wide module selection

- Gold-plated protector module sockets and test-field contacts provide superior electrical contact; eliminate noise problem

- Standard 50-pair 303-type test fields save costs; require no special gear; are compatible with other connectors for frame expansions

- Integral field-stubbing bracket saves costs; permits fast, easy field stubbing; needs no temporary mounting bracket

Description

The R355 is a 100-pair high-density connector used on central office main distributing frames. It measures 10.95-in. H x 4.10-in. W and extends 7.38-in. outward from the frame. It accepts industry standard 5-pin protector modules.

Connectors can be factory stubbed with 22 or 24-gauge cable in 10-ft. increments, starting at 20 feet. The stub is complete with a moisture dam and grounding harness. The connector has a 6AWG grounding system, which is available with or without isolated ground and can be easily converted in the field.

The front-facing equipment field allows convenient wire termination. Front and rear fanning strips facilitate orderly jumpering, and highly visible pair-count identification. Two front administered 50-pair 303-type test fields make testing easy.

The R355 meets or exceeds the specifications set forth in Telcordia TA-EOP-000164 and GTE® GTS 8339 documents.

The R355 is RDUP (formerly RUS) accepted for additions to offices where R355s have previously been purchased using RDUP (formerly RUS) funds.

Application

The R355 protects personnel and equipment from abnormal voltages and currents on incoming cable pairs. It mounts on central office conventional distribution frames with 8-in. centers.

Plug-in modules ordered separately.
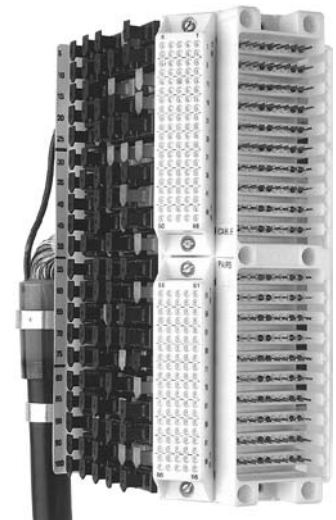
R355

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Dimensions

Connector	H	W	D
R355	10.95-in. (278mm)	4.10-in. (104mm)	7.38-in. (187mm)

Specifications

Frame Height	Capacity
7-ft.	600 pair
8-ft.	700 pair
9-ft.	800 pair
11.5-ft.	1100 pair

Ordering Matrix

Ground Configuration	blank	=	Standard ground
	S	=	Isolated ground
Connector Application	R355	=	Standard left mount
	RX355	=	No test field
Stub Cable Gauge	A	=	24-gauge, .96 dia. o.d.
	B	=	22-gauge, 1.17 dia. o.d.
Stub Cable Type	A	=	Alvyn
	T	=	Two 22AWG cables*
Stub Length in Feet (20-ft. minimum in 10-ft. increments)			
Stub Direction	U	=	Up
	D	=	Down

* T configuration provides an equivalent to T screen-type cable. Two 50-pair cables are secured together every three feet.

NOTE: Not all catalog numbers can be configured.

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Ordering Information: Stubless Connectors

Catalog Number	Part Number	Description
R355	F252000	Wire-wrap version
SR355	F251599	Isolated ground, wire-wrap
RX355	F252800	Without test field

Ordering Information: Stubbed Connectors — 24 AWG

Catalog Number	Part Number	Description
Wire-Wrap Equipment Field		
R355AA25U	F252012	Connector, wire-wrap equipment field, 25-ft. stub up
R355AA25D	F252011	Connector, wire-wrap equipment field, 25-ft. stub down
R355AA50U	F252060	Connector, wire-wrap equipment field, 50-ft. stub up
R355AA50D	F252062	Connector, wire-wrap equipment field, 50-ft. stub down
R355AA75U	F252112	Connector, wire-wrap equipment field, 75-ft. stub up
R355AA75D	F252111	Connector, wire-wrap equipment field, 75-ft. stub down
R355AA100U	F252160	Connector, wire-wrap equipment field, 100-ft. stub up
R355AA100D	F252161	Connector, wire-wrap equipment field, 100-ft. stub down
Isolated Ground, Wire-Wrap Equipment Field		
SR355AA25U	F252505	Connector, wire-wrap equipment field, 25-ft. stub up
SR355AA25D	F252504	Connector, wire-wrap equipment field, 25-ft. stub down
SR355AA50U	F252061	Connector, wire-wrap equipment field, 50-ft. stub up
SR355AA50D	F252565	Connector, wire-wrap equipment field, 50-ft. stub down
SR355AA70U	F252602	Connector, wire-wrap equipment field, 70-ft. stub up
SR355AA75D	F252611	Connector, wire-wrap equipment field, 75-ft. stub down
SR355AA100D	F252621	Connector, wire-wrap equipment field, 100-ft. stub down
SR355AA120U	F252606	Connector, wire-wrap equipment field, 120-ft. stub up

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Ordering Information: Stubbed Connectors — 22 AWG

Catalog Number	Part Number	Description
Wire-Wrap Equipment Field		
R355BA25U	F252014	Connector, wire-wrap equipment field, 25-ft. stub up
R355BA25D	F252013	Connector, wire-wrap equipment field, 25-ft. stub down
R355BA50U	F252064	Connector, wire-wrap equipment field, 50-ft. stub up
R355BA50D	F252062	Connector, wire-wrap equipment field, 50-ft. stub down
R355BA75U	F252112	Connector, wire-wrap equipment field, 75-ft. stub up
R355BA75D	F252111	Connector, wire-wrap equipment field, 75-ft. stub down
R355BA100U	F252160	Connector, wire-wrap equipment field, 100-ft. stub up
R355BA100D	F252161	Connector, wire-wrap equipment field, 100-ft. stub down
Isolated Ground, Wire-Wrap Equipment Field		
SR355BA25U	F252513	Connector, wire-wrap equipment field, 25-ft. stub up
SR355BA25D	F252515	Connector, wire-wrap equipment field, 25-ft. stub down
SR355BA50U	F252563	Connector, wire-wrap equipment field, 50-ft. stub up
SR355BA50D	F252562	Connector, wire-wrap equipment field, 50-ft. stub down
SR355BA60U	F252583	Connector, wire-wrap equipment field, 60-ft. stub up
SR355BA60D	F252582	Connector, wire-wrap equipment field, 60-ft. stub down
SR355BA80D	F252620	Connector, wire-wrap equipment field, 80-ft. stub down
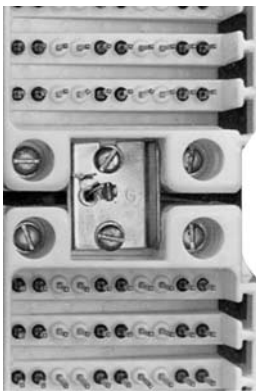
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Accessories

Catalog Number	Part Number	Description
P39190	F539190	Wall mounting bracket
P33070	F533070	Module field label kit
P31318	F531318	Tie plate
P31319	F531319	Tie plate with grounding option (shown on left)
SR355KIT	F252696	Isolated ground conversion kit

NOTE: See the Protection section for protector modules, the Accessories section for test equipment accessories, and the CO & Remote Frames Systems section for mounting bars.

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