

## Category 3 Modular-Telco Patch Panels

### KEY FEATURES

- Cross-connections complying with the structured cabling principles
- Saves labor cost otherwise needed for multiple terminations
- Contact design provides enhanced plug-to-jack connection integrity and protects against damage caused by insertion of 4- or 6-position plugs
- Rated for at least 750 plug insertions providing for the highest level of system reliability
- Category 3 transmission performance
- Standard 25-pair male/female Telco-style connectors (50-position miniature ribbon connectors)
- Standard pin configuration (USOC)
- Available in 2- and 4-wire USOC wiring schemes
- Easy access to Telco connectors

Category 3 Modular-Telco Patch Panels are available in 24- and 48-port sizes and support 2-wire "RJ-11", 4-wire "RJ-11", 2 wire "RJ-45" and 4 wire "RJ-45" USOC wiring schemes. Each 50-position Telco connector is provided with both Velcro strain relief brackets and hex sockets to secure 25-pair cables

with either 90-degree or 180-degree cable exit. Panels front features a write-on surface to provide port identification. Panels include an integrated cable management/strain relief system for improved cable routing and strain relief.



### Category 3 "RJ-11" and "RJ-45" Modular-Telco Patch Panels

PART NUMBER	DESCRIPTION
R24-11BK2-C3X	24-Port Category 3 RJ-11 2W Modular-Telco Patch Panel, Active Pins 3-4, USOC, 1.75" High
R48-11BK2-C3X	48-Port Category 3 RJ-11 2W Modular-Telco Patch Panel, Active Pins 3-4, USOC, 3.50" High
R24-11BK4-C3X	24-Port Category 3 RJ-11 4W Modular-Telco Patch Panel, Active Pins 2-5, USOC, 1.75" High
R48-11BK4-C3X	48-Port Category 3 RJ-11 4W Modular-Telco Patch Panel, Active Pins 2-5, USOC, 3.50" High
R24-45BK2-C3X	24-Port Category 3 RJ-45 2W Modular-Telco Patch Panel, Active Pins 4-5, USOC, 1.75" High
R48-45BK2-C3X	48-Port Category 3 RJ-45 2W Modular-Telco Patch Panel, Active Pins 4-5, USOC, 3.50" High
R24-45BK4-C3X	24-Port Category 3 RJ-45 4W Modular-Telco Patch Panel, Active Pins 3-6, USOC, 1.75" High
R48-45BK4-C3X	48-Port Category 3 RJ-45 4W Modular-Telco Patch Panel, Active Pins 3-6, USOC, 3.50" High

Substitute **X** for **F** for Female 25-Pair Telco Connectors, or **M** for Male 25-Pair Telco Connectors.

### SPECIFICATIONS

#### TRANSMISSION PERFORMANCE

ANSI/TIA/EIA-568-B.2: category 3 (1-16 MHz) specifications  
 IEC 60603-7: category 3 (1-16 MHz) specifications

#### TRANSMISSION MEDIA

Modular jacks:

**RXX-11BKX-C3X:** 1-pair (6P4C, 6P6C modular plugs) twisted-pair cable assemblies  
 2-pair (6P4C, 6P6C modular plugs) twisted-pair cable assemblies

**RXX-45BKX-C3X:** 1-pair (6P4C, 6P6C, 8P8C modular plugs) twisted-pair cable assemblies  
 2-pair (6P4C, 6P6C, 8P8C modular plugs) twisted-pair cable assemblies

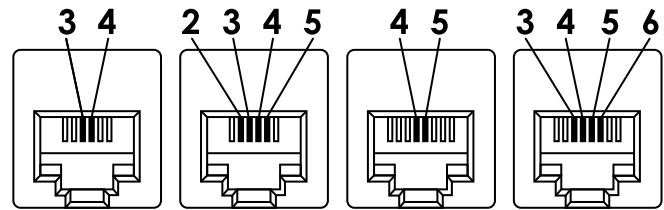
TELCO connectors: 24/25-pair (50-position miniature ribbon connectors, male/female) twisted-pair cable assemblies

#### JACK TYPE

**RXX-11BK2-C3X:** 6P2C (6-position, 2-contact) "RJ12" type  
**RXX-11BK4-C3X:** 6P4C (6-position, 4-contact) "RJ12" type  
**RXX-45BK2-C3X:** 8P2C (8-position, 2-contact) "RJ45" type  
**RXX-45BK4-C3X:** 8P4C (8-position, 4-contact) "RJ45" type

#### CONNECTOR CONTACTS

50-position ribbon: phosphor bronze, gold plating



RXX-11BK2-C3X RXX-11BK4-C3X RXX-45BK2-C3X RXX-45BK4-C3X

#### WIRING SCHEMES

**RXX-11BK2-C3X:** USOC, pins 3-4

Panel port #	1/25	2/26	3/27	4/28	5/29	6/30	7/31	8/32	9/33	10/34	11/35	12/36	13/37	14/38	15/39	16/40	17/41	18/42	19/43	20/44	21/45	22/46	23/47	24/48																								
Port contact #	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4	3	4																						
TELCO contact #	1	26	2	27	3	28	4	29	5	30	6	31	7	32	8	33	9	34	10	35	11	36	12	37	13	38	14	39	15	40	16	41	17	42	18	43	19	44	20	45	21	46	22	47	23	48	24	49

**RXX-11BK4-C3X:** USOC, pins 2-3-4-5

Panel port #	1/13	2/15	3/17	4/19	5/21	6/23	7/25	8/27	9/29	10/31	11/33	12/35	13/37	14/39	15/41	16/43	17/45	18/47	19/49	20/51	21/53	22/55	23/57	24/59																									
Port contact #	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	2	3	4	5	
TELCO contact #	27	1	26	2	29	3	28	4	31	5	30	6	33	7	32	8	35	9	34	10	37	11	36	12	39	13	38	14	41	15	40	16	43	17	42	18	45	19	44	20	47	21	46	22	49	23	48	24	49

**RXX-45BK2-C3X:** USOC, pins 4-5

Panel port #	1/25	2/26	3/27	4/28	5/29	6/30	7/31	8/32	9/33	10/34	11/35	12/36	13/37	14/38	15/39	16/40	17/41	18/42	19/43	20/44	21/45	22/46	23/47	24/48																										
Port contact #	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5	4	5
TELCO contact #	1	26	2	27	3	28	4	29	5	30	6	31	7	32	8	33	9	34	10	35	11	36	12	37	13	38	14	39	15	40	16	41	17	42	18	43	19	44	20	45	21	46	22	47	23	48	24	49		

**RXX-45BK4-C3X:** USOC, pins 3-4-5-6

Panel port #	1/13	2/15	3/17	4/19	5/21	6/23	7/25	8/27	9/29	10/31	11/33	12/35	13/37	14/39	15/41	16/43	17/45	18/47	19/49	20/51	21/53	22/55	23/57	24/59																									
Port contact #	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	3	4	5	6	
TELCO contact #	27	1	26	2	29	3	28	4	31	5	30	6	33	7	32	8	35	9	34	10	37	11	36	12	39	13	38	14	41	15	40	16	43	17	42	18	45	19	44	20	47	21	46	22	49	23	48	24	49

#### CONSTRUCTION

Panel frame: Cold-rolled steel, black paint coating  
 Electric circuitry: Unscreened Keystone 6P6C/8P8C jacks and 50-position miniature ribbon connectors (male or female)  
 Connectors housings: High-impact, flame-retardant UL 94V-0 thermoplastic

#### DIMENSIONS

R24-XXBKX-C3X: 19" rack mountable, 1.75" (1 RMU) high  
 R48-XXBKX-C3X: 19" rack mountable, 3.5" (2 RMU) high

#### COMPLIANCE

ANSI/TIA-568-C.2, IEC 60603-7, FCC Part 68 Subpart F, UL 94V-0

#### WARRANTY

5-year limited component warranty

#### OPERATING TEMPERATURE

-14°F – 140°F (-10°C – +60°C)

#### APPLICATIONS

X.21, V.11, S0, ISDN, CSMA/CD 10BASE-T, TR 4