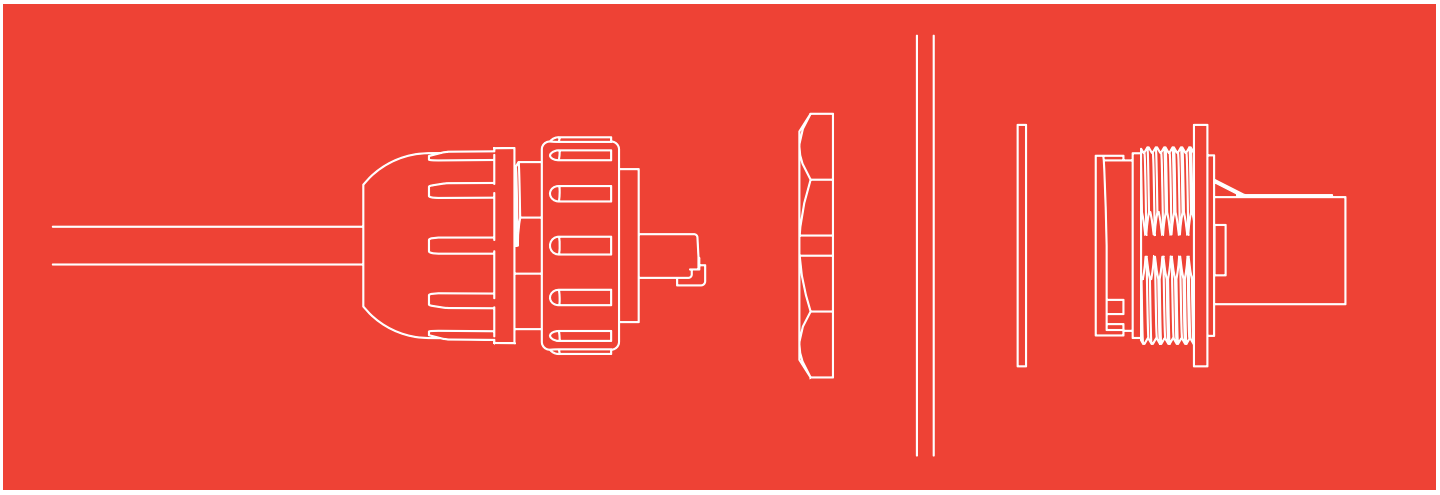

RJ45 WEATHERTIGHT CONNECTORS 1.44" [37MM] OD

QUICK CONNECT CABLE END
MATES WITH PANEL MOUNT

THREADED CABLE END
MATES WITH PANEL MOUNT

PANEL MOUNT
MATES WITH CABLE END

SHIELDED PANEL MOUNT
MATES WITH CABLE END

REAR VIEW
FEED-THRU TERMINATION

REAR VIEW
STRAIGHT IDC TERMINATION

REAR VIEW-RIGHT ANGLE IDC TERMINATION

MOLDED CABLE ASSEMBLY

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SPECIFICATIONS

Manufacturers Identifications

Life:	750 insertion / withdrawal cycles minimum
Vibration:	Mil-Std 202G Method 201A
Hex Nut Torque:	10-12 in-lb
Coupling Locking Style:	Quick Connect (Bayonet) Threaded
Backshell Style:	Threaded

Electrical Specifications

Voltage Rating:	1000V DC
Current Rating:	1.5 A
Contact Resistance:	20 mΩ max
Insulation Resistance:	500 MΩ min

Environmental Specifications

Operating Temperature Rating:	-10 °C to +60 °C (+14ºF to +140°F)	
Insulation Resistance:	Mil-Std 202G Method 302G	
Thermal Shock:	Mil-Std 202G Method 107G	
Weathertight:	IP67 & IP68, NEMA 250 (6P) (when mated)	
Product Ratings:	RJ45 Cable Plug (Category 6):	TIA/EIA 568 C.2
	RJ45 Panel Jack (Category 5e & 6):	TIA/EIA 568 B.2

Material Specifications

Field Installable Plug Assembly:

Sealing Nut, Coupling Ring:	Thermoplastic
Plug Housing, Insert:	Thermoplastic
Sealing Ring:	Elastomer
O-Ring:	Elastomer

RJ45 Plug:

Insulator:	Thermoplastic
Contacts:	Copper Alloy, Gold Plated
Shield (Shielded Option Only):	Copper Alloy, Tin Plated

Panel Housing Jack Assembly:

Panel Housing, Hex Nut:	Thermoplastic
Gasket:	Elastomer

RJ45 Jack:

Housing:	Thermoplastic
Contacts:	Copper Alloy, Gold Plated
Printed Circuit Board (PCB):	FR-4
IDC Contacts:	Copper Alloy, Tin Plated

Molded Cable Assemblies:

Consult factory for molded options

Other

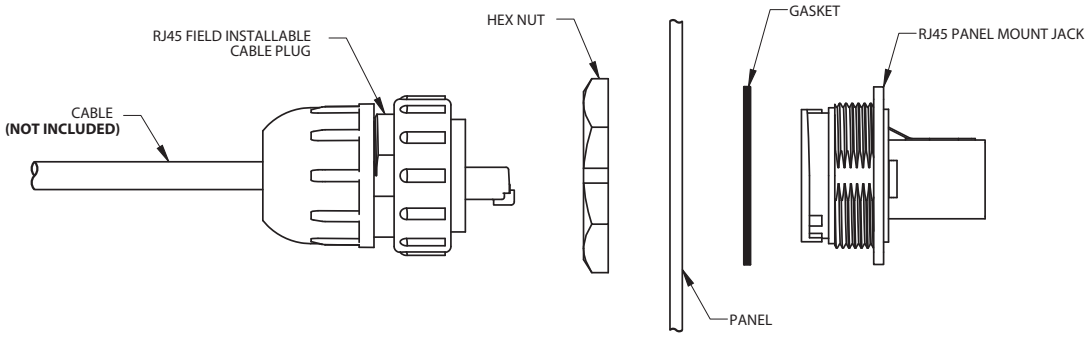
Flame Rating:	UL 94V-0
Recommended Panel Thickness:	1/32" to 3/16" [0.8mm to 4.8mm] - Quick Connect Coupling 1/32" to 5/32" [0.8mm to 3.9mm] - Threaded Coupling

Recommended Cable Type

Conductor Type:	Solid or Stranded Conductors
Outer Cable O.D. Range:	Ø0.190" - Ø0.250" [4.83mm to 6.35mm]
Conductor insulator O.D. Range:	Ø0.037" - Ø0.042" [0.94mm to 1.06mm]

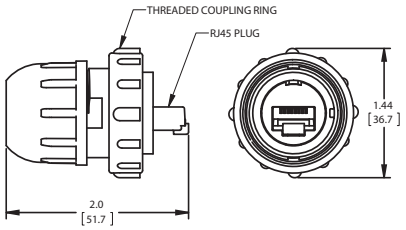
RJ45 WEATHERTIGHT CONNECTORS 1.44" [37MM] OD

DATA-CON-X®: RJ45 WEATHERTIGHT CONNECTORS

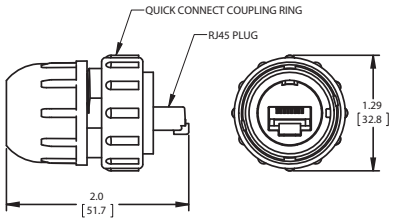


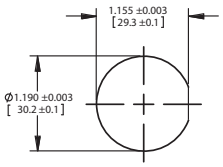
FIELD INSTALLABLE KITS

RJ45 FIELD INSTALLABLE CABLE PLUG
(THREADED COUPLING)



RJ45 FIELD INSTALLABLE CABLE PLUG
(QUICK CONNECT COUPLING)

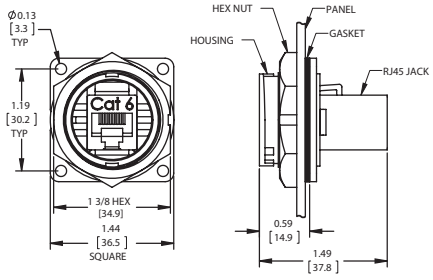




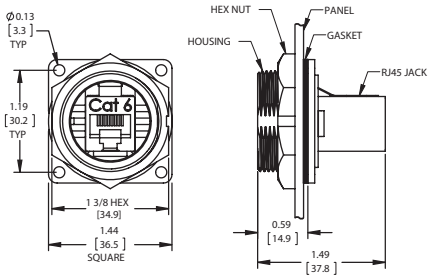
RECOMMENDED PANEL CUT-OUT
QUICK CONNECT COUPLING OR THREADED COUPLING

PANEL MOUNT ASSEMBLY KITS

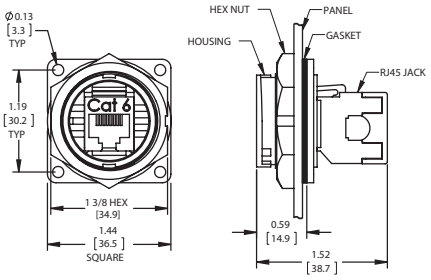
RJ45 PANEL MOUNT FEED-THRU JACK
(SHOWN WITH NON-SHIELDED CAT 6 JACK)
(SHOWN WITH QUICK CONNECT HOUSING)



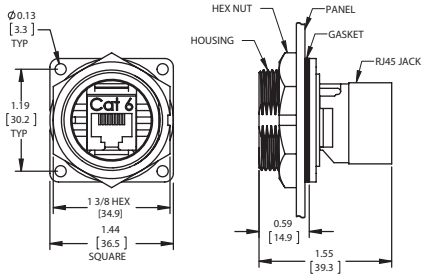
RJ45 PANEL MOUNT FEED-THRU JACK
(SHOWN WITH SHIELDED CAT 6 JACK)
(SHOWN WITH THREADED HOUSING)



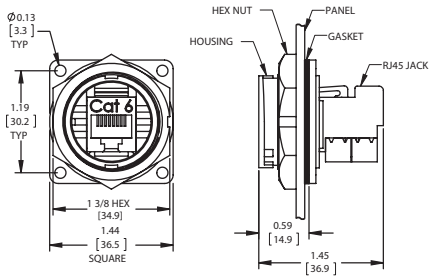
RJ45 PANEL MOUNT IDC JACK
(SHOWN WITH NON-SHIELDED CAT 6 JACK)
(SHOWN WITH QUICK CONNECT HOUSING)



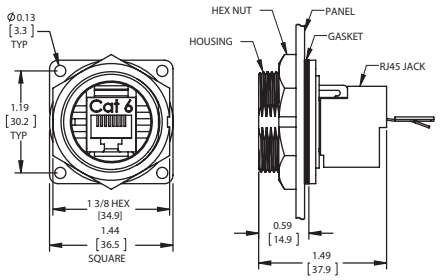
RJ45 PANEL MOUNT IDC JACK
(SHOWN WITH SHIELDED CAT 6 JACK)
(SHOWN WITH THREADED HOUSING)



RJ45 PANEL MOUNT IDC RIGHT ANGLE JACK
(SHOWN WITH NON-SHIELDED CAT 6 JACK)
(SHOWN WITH QUICK CONNECT HOUSING)



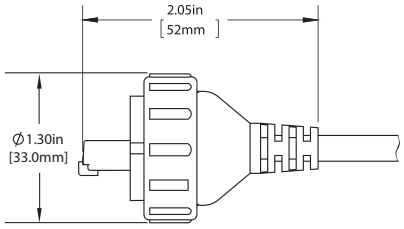
RJ45 PANEL MOUNT IDC RIGHT ANGLE JACK
(SHOWN WITH SHIELDED CAT 6 JACK)
(SHOWN WITH THREADED HOUSING)



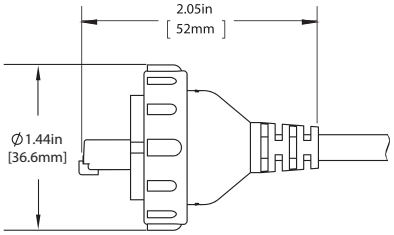
All dimensions are for reference only. Units shown: in[mm].

RJ45 WEATHERTIGHT CONNECTORS 1.44" [37MM] OD

CUSTOM MOLDED CABLE ASSEMBLIES



DCM-RJXXB-XXXX
CUSTOM CABLE CONNECTOR
STRAIGHT OVERMOLD
QUICK CONNECT



DCM-RJXXT-XXXX
CUSTOM CABLE CONNECTOR
STRAIGHT OVERMOLD
THREADED CONNECT

PART NUMBER TO ORDER

DCC - RJ6 X X - 310

RJ45 FIELD INSTALLABLE CABLE PLUG ASSEMBLY	PLUG TYPE	PLUG SHIELDING	COUPLING TYPE	SERIES
DCC	**RJ6** = RJ45 CAT 6	**BLANK** = UNSHIELDED **S** = SHIELDED	**B** = QUICK CONNECT **T** = THREADED	**310**

DCP - XXX X X - XX

RJ45 FIELD INSTALLABLE PANEL HOUSING ASSEMBLY	JACK TYPE	JACK SHIELDING	COUPLING TYPE	SERIES
DCP	**RJ5** = RJ45 CAT 5e **RJ6** = RJ45 CAT 6	**BLANK** = UNSHIELDED **S** = SHIELDED	**B** = QUICK CONNECT **T** = THREADED	**F** = FEED-THRU (TO SAME CONNECTOR) **SD** = IDC, STRAIGHT **RD** = IDC, RIGHT ANGLE

All dimensions are for reference only. Units shown: in[mm].

CON-X® ELECTRICAL CURRENT RATING CHART

CONTACT SIZE	CONDUCTOR SIZE - AWG	NUMBER OF CONDUCTORS	CURRENT RATING
#12	#12	1 through 7	23.0A
	#14	1 through 3	17.0A
		4 through 6	12.75A
		7 through 9	11.0A
	#16	1 through 3	13.0A
		4 through 6	9.75A
		7	8.45A
#16	#16	1 through 10	13.0A
		11 and 12	7.5A
	#18	1 through 3	10.0A
		4 through 12	7.5A
#20	#18	1 through 3	7.5A
		4 through 20	5.6A
		21 through 31	2.3A
	#20	1 through 3	7.5A
		4 through 20	5.6A
		21 through 31	2.3A
	#20 Multi-Con-X	10 through 12	5.0A
	#22	1 through 3	6.0A
		4 through 20	2.5A
		21 through 31	2.5A
	#24	1 through 3	4.5A
		4 through 20	2.0A
		21 through 31	1.5A
#22	#22	4	5.5A
	#24	4	5.0A
#26	#24	5 to 6	4.0A
	#24	7	3.5A
	#26	5 to 6	2.5A
	#26	7	2.5A
	#28*	5 to 6	2.0A
	#28*	7	2.0A

*Not UL tested for this wire conductor size

MAX. NUMBER AND SIZE OF CONTACTS PER SERIES:

4 -	#12 Multi-Con-X	6 -	#16 Multi-Con-X	8 -	#20 Mini-Con-X	31 -	#20 Mega-Con-X
7 -	#12 Maxi-Con-X	12 -	#16 Maxi-Con-X	9 -	#20 Multi-Con-X	4 -	#22 Micro-Con-X
5 -	#16 Mini-Con-X	3 -	#20 Micro-Con-X	20 -	#20 Maxi-Con-X	7 -	#26 Micro-Con-X

CON-X® MANUAL CONTACT CRIMPING TOOL

Handle	Description	Positioner	Contact Sizes	Wire Sizes	Conductor Strip Length
359-24	Multi Contact Turret Crimp Tool	357-124	#12	12-14 AWG	7/32 in
			#16	16-18-20 AWG	7/32 in
			#20	20-22-24 AWG	3/16 in
359-21	Single Contact Crimp Tool	357-122	#20	20-22-24 AWG	3/16 in
		357-125	#22	22-24 AWG	5/32 in
		357-126	#26(Cable Pin Only)	24-26-28 AWG	3/16 in
		357-127	#26(Panel Pin, Cable & Panel Socket)	24-26-28 AWG	3/16 in

CON-X® MANUAL CONTACT INSERTION TOOL

Handle	Description	Insertion Bits	Contact Sizes
356-1	Single Contact Hand Tool	356-12	#12
		356-16	#16
		356-20	#20
		356-22	#22 (20 AWG Crimp Barrel)
		356-22-1-K	#22 (22 AWG Crimp Barrel)
		356-26-K	#26

MIL-E-QUAL® MANUAL CONTACT CRIMPING TOOL

Handle	Description	Positioner	Contact Sizes	Wire Sizes	Conductor Strip Length
359-24	Hand Crimp Tool	358-112	#12	12-14 AWG	7/32 in
			#16	16-18-20 AWG	9/32 in

MIL-E-QUAL® MANUAL CONTACT INSERTION TOOL

Handle	Description	Insertion Bits	Contact Sizes
356-1	Single Contact Hand Tool	356-12	#12
		356-16	#16