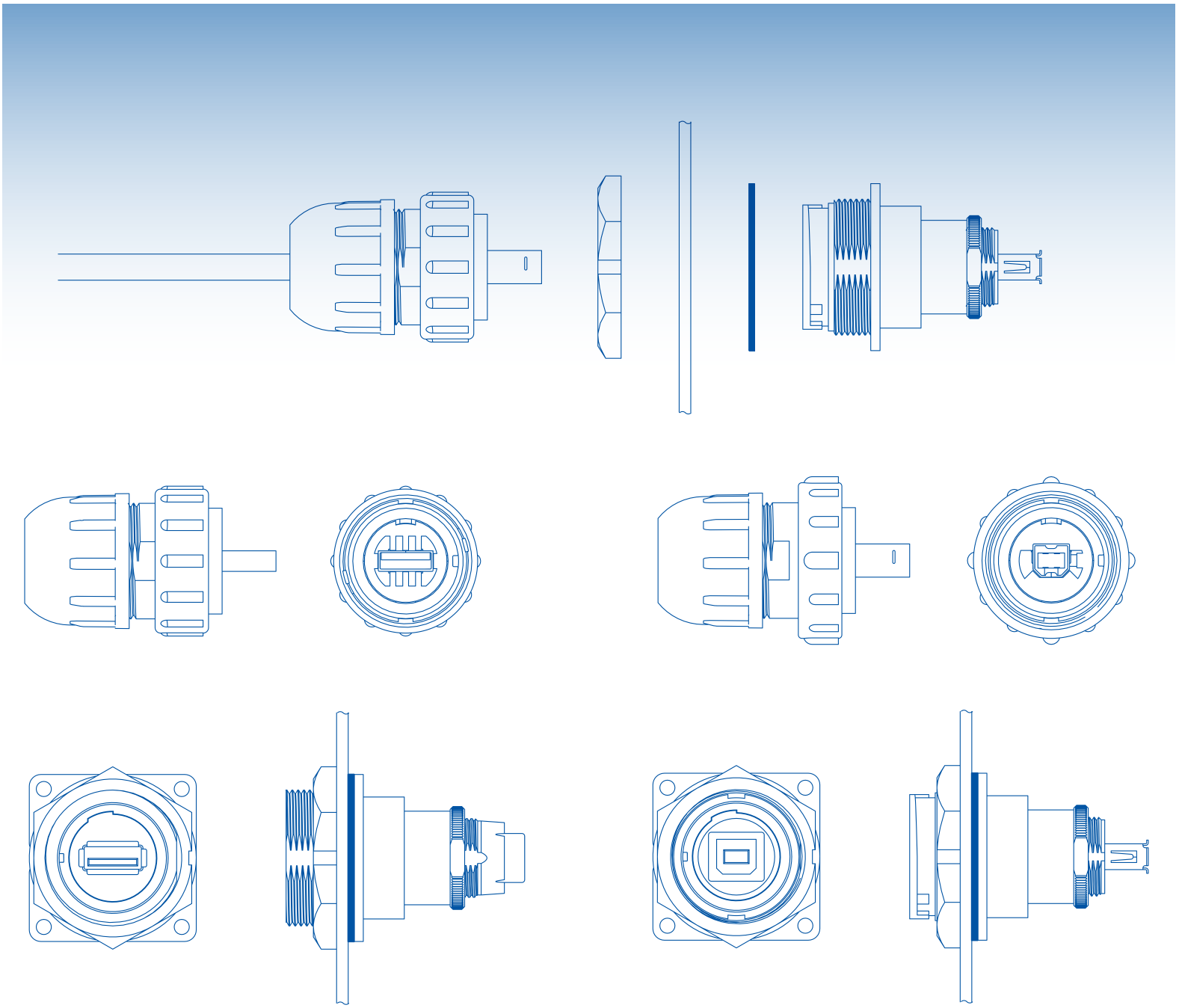

DATA-CON-X: SEALED USB TYPE A & B CONNECTORS

NEW PRODUCT BULLETIN C711

CONXALL®

A SWITCHCRAFT COMPANY

CONXALL • 601 E Wildwood • Villa Park, IL 60181 • 630-834-7504

Please visit conxall.com for the most up-to-date product specifications. Made in the USA.

DATA-CON-X: SEALED USB TYPE A & B CONNECTORS

NEW PRODUCT BULLETIN C711

FEATURES & BENEFITS

- Sealed to IP67 & IP68 NEMA 250 (6P) (when mated)
- Feed-thru termination on the panel for easy field installation
- Field installable design is easy to assemble
- Quick connect bayonet or threaded style interface
- RoHS compliant assembly

APPLICATIONS

- Any sealed data transmission
- Military or industrial GPS location devices
- Instrumentation
- Medical data carts
- Data acquisition units
- General industrial electronic applications

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SPECIFICATIONS

MANUFACTURERS IDENTIFICATIONS	
Life:	Minimum 350 insertion/withdrawal cycles without mechanical or electrical failure
Hex Nut Torque:	10-12 in-lb max
Coupling Locking Style:	Quick Connect (Bayonet) or Threaded
Backshell Style:	Threaded Nut-Squeezed Grommet
ELECTRICAL SPECIFICATIONS	
Current Rating:	1.5 A
Voltage Rating:	Per USB 2.0 standard
Contact Resistance:	30 mΩ max
Insulation Resistance:	1000 MΩ min
Dielectric Withstanding Voltage:	500 V AC/one minute
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature Rating:	0 °C to +50 °C (+32°F to +122°F)
Storage Temperature:	-20 °C to +60 °C (-4°F to +140°F)
Moisture Resistance:	Mil-Std 202G Method 106G
Insulation Resistance:	Mil-Std 202G Method 302
Vibration:	Mil-Std 202G Method 201A
Thermal Shock:	Mil-Std 202G Method 107G
Weathertight:	IP67 & IP68, NEMA 250 (6P) (when mated)
Salt Spray:	Mil-Std 202G Method 101E
Product Ratings:	Tested per USB 2.0
MATERIAL SPECIFICATIONS	
Plug Nut, Coupling Ring:	Thermoplastic
Plug Housing, Insert:	Thermoplastic
Sealing Ring, O-Ring:	Elastomer
Panel Housing, Hex Nut:	Thermoplastic
Retaining Nut:	Copper Alloy, Nickel Plated
Gasket:	Elastomer
USB A or B Plug:	
Shell:	Steel, Nickel Plated
Contacts:	Copper Alloy, Gold Plated
Insulator:	Thermoplastic UL94V-0, White
USB A Receptacle:	
Shell:	Steel, Nickel Plated
Contacts:	Copper Alloy, Gold Plated
Insulator:	Thermoplastic UL94V-0, White
USB B Receptacle:	
Shell:	Copper Alloy, Nickel Plated
Contacts:	Copper Alloy, Gold Plated
Insulator:	Thermoplastic UL94V-0, White
MOLDED CABLE ASSEMBLIES	Consult factory for molded options
OTHER	
Flame Rating:	UL 94V-0
Recommended Panel Thickness:	1/32" - 3/16" [0.8mm to 4.8mm] - Quick Connect Coupling 1/32" - 5/32" [0.8mm to 3.9mm] - Threaded Coupling
Recommended Cable Type	
Conductor Type:	Solid or Stranded Conductors
Outer Cable O.D. Range:	Product 150 Series: 0.134"-0.170" [3.40mm-4.33mm] Product 180 Series: 0.171"-0.208" [4.34mm-5.28mm]

DATA-CON-X: SEALED USB TYPE A & B CONNECTORS

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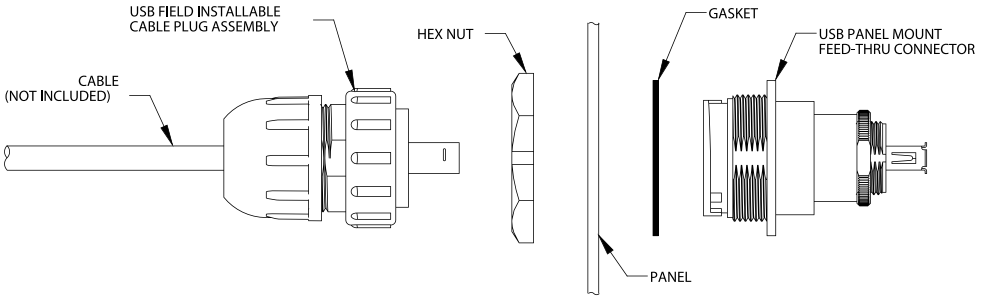
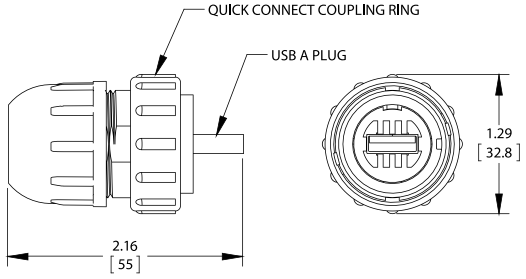
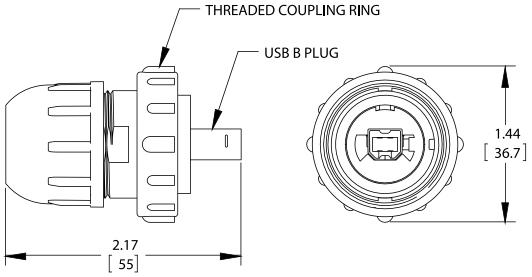


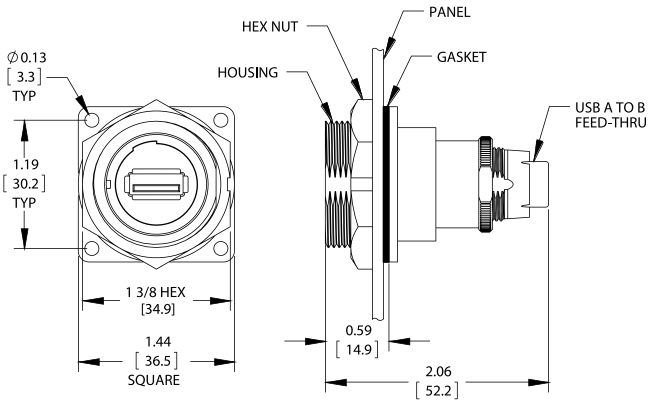
USB A FIELD INSTALLABLE CABLE PLUG
(SHOWN WITH QUICK CONNECT COUPLING)



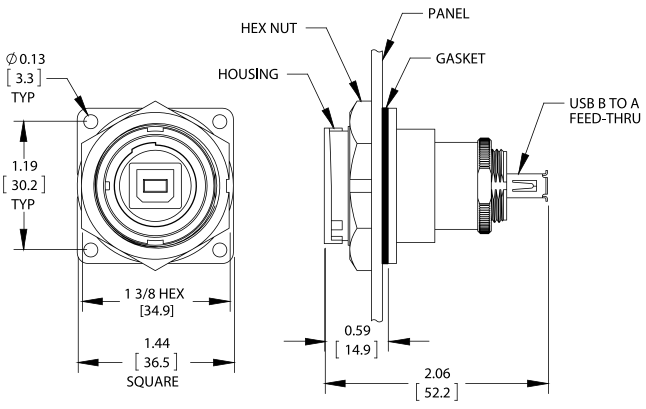
USB B FIELD INSTALLABLE CABLE PLUG
(SHOWN WITH THREADED COUPLING)



USB PANEL MOUNT FEED-THRU CONNECTOR
(SHOWN WITH USB A TO B FEED-THRU CONNECTOR)
(SHOWN WITH THREADED HOUSING)



USB PANEL MOUNT FEED-THRU CONNECTOR
(SHOWN WITH USB B TO A FEED-THRU CONNECTOR)
(SHOWN WITH QUICK CONNECT HOUSING)



USB FIELD INSTALLABLE CABLE PLUG PART NUMBER CHART			
USB FIELD INSTALLABLE CABLE PLUG ASSEMBLY	PLUG TYPE	COUPLING TYPE	SERIES
DCC	**USBA** = USB "A" 2.0 **USBB** = USB "B" 2.0	**B** = QUICK CONNECT **T** = THREADED	**150** = ø0.134-0.170 [3.40-4.33MM] **180** = ø0.171-0.208 [4.34-5.28MM]

USB PANEL MOUNT FEED-THRU CONNECTORS PART NUMBER CHART			
USB FIELD INSTALLABLE PANEL HOUSING ASSEMBLY	RECEPTACLE TYPE (SEALED END)	COUPLING TYPE	RECEPTACLE TYPE (NON-SEALED END)
DCP	**USBA** = USB "A" 2.0 **USBB** = USB "B" 2.0	**B** = QUICK CONNECT **T** = THREADED	**USBA** = USB "A" 2.0 (NOT AVAILABLE WITH USBA ON SEALED END) **USBB** = USB "B" 2.0 (NOT AVAILABLE WITH USBB ON SEALED END)

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