

NEW PRODUCT BULLETIN C711



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.

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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
- UV F1 rated housing

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

MECHANICAL SPECIFICATIONS

Life: Hex Nut Torque: Coupling Locking Style: Backshell Style:

ELECTRICAL SPECIFICATIONS

Current Rating: Voltage Rating: Contact Resistance: Insulation Resistance: Dielectric Withstanding Voltage:

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Rating: Storage Temperature: Moisture Resistance: Insulation Resistance: Vibration: Thermal Shock: Weathertight: Salt Spray: Product Ratings:

MATERIAL SPECIFICATIONS

Plug Nut, Coupling Ring: Plug Housing, Insert: Sealing Ring, O-Ring: Panel Housing, Hex Nut: Retaining Nut: Gasket: **USB A or B Plug:** Shell: Contacts: Insulator: **USB A Receptacle:** Shell: Contacts: Insulator: **USB B Receptacle:** Shell: Contacts: Insulator:

MOLDED CABLE ASSEMBLIES

OTHER Flame Rating: Recommended Panel Thickness:

Recommended Cable Type

Conductor Type: Outer Cable O.D. Range: Minimum 350 insertion/withdrawal cycles 10-12 in-lb max Quick Connect (Bayonet) or Threaded Threaded Nut-Squeezed Grommet

1.5 A Per USB 2.0 standard 30 mΩ max 1000 MΩ min 500 V AC/one minute

0 °C to +50 °C (+32°F to +122°F) -20 °C to +60 °C (-4°F to +140°F) Mil-Std 202G Method 106G Mil-Std 202G Method 302 Mil-Std 202G Method 201A Mil-Std 202G Method 107G IP67 & IP68, NEMA 250 (6P) (when mated) Mil-Std 202G Method 101E Tested per USB 2.0

Thermoplastic Thermoplastic Elastomer Thermoplastic Copper Alloy, Nickel Plated Elastomer

Steel, Nickel Plated Copper Alloy, Gold Plated Thermoplastic UL94V-0, White

Steel, Nickel Plated Copper Alloy, Gold Plated Thermoplastic UL94V-0, White

Copper Alloy, Nickel Plated Copper Alloy, Gold Plated Thermoplastic UL94V-0, White

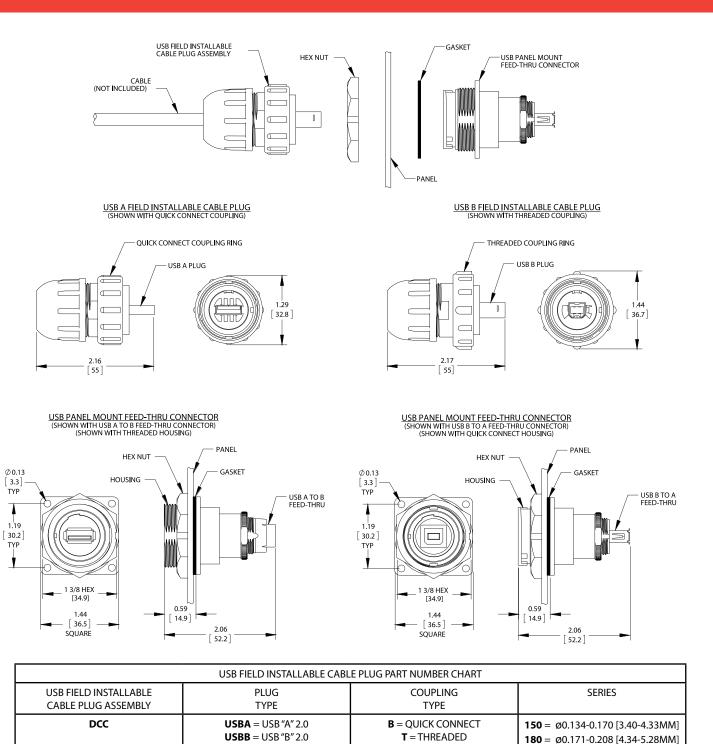
Consult factory for molded options

UL 94V-0 1/32" - 3/16" [0.8mm to 4.8mm] - Quick Connect Coupling 1/32" - 5/32" [0.8mm to 3.9mm] - Threaded Coupling

Solid or Stranded Conductors Product 150 Series: 0.134"-0.170" [3.40mm-4.33mm] Product 180 Series: 0.171"-0.208" [4.34mm-5.28mm]



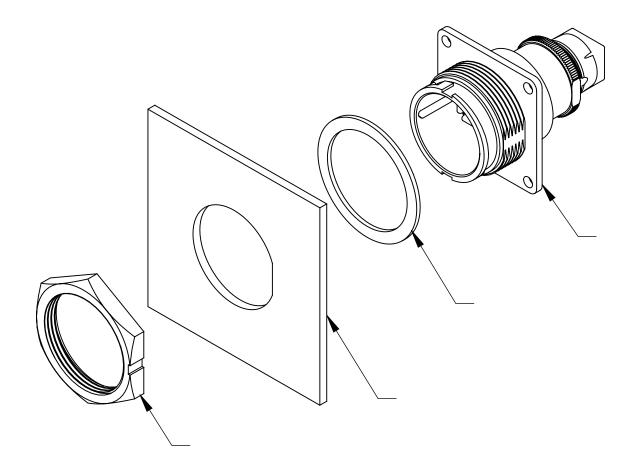
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USB PANEL MOUNT FEED-THRU CONNECTORS PART NUMBER CHART			
USB FIELD INSTALLABLE	RECEPTACLE TYPE	COUPLING	RECEPTACLE TYPE
PANEL HOUSING ASSEMBLY	(SEALED END)	TYPE	(NON-SEALED END)
DCP	USBA = USB "A" 2.0	B = QUICK CONNECT	USBA = USB "A" 2.0 (NOT AVAILABLE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



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NOTES:

- 1. DCP-USBAB-USBB SHOWN IN EXPLODED VIEW. (USB A TO B WITH QUICK CONNECT COUPLING.)
- 2. MATED ASSEMBLY MEETS IP-67 & IP-68, NEMA 250 (6P).
- 3. THESE ASSEMBLIES ARE ROHS COMPLIANT.

MATERIALS:

GASKET: ELASTOMER HEX NUT: THERMOPLASTIC USB PANEL HOUSING: THERMOPLASTIC RETAINING NUT: COPPER ALLOY, NICKEL PLATED USB A RECEPTACLE: SHELL: STEEL, NICKEL PLATED

CONTACTS: COPPER ALLOY, GOLD PLATED

INSULATOR: THERMOPLASTIC

USB B RECEPTACLE:

SHELL: COPPER ALLOY, NICKEL PLATED CONTACTS: COPPER ALLOY, GOLD PLATED INSULATOR: THERMOPLASTIC

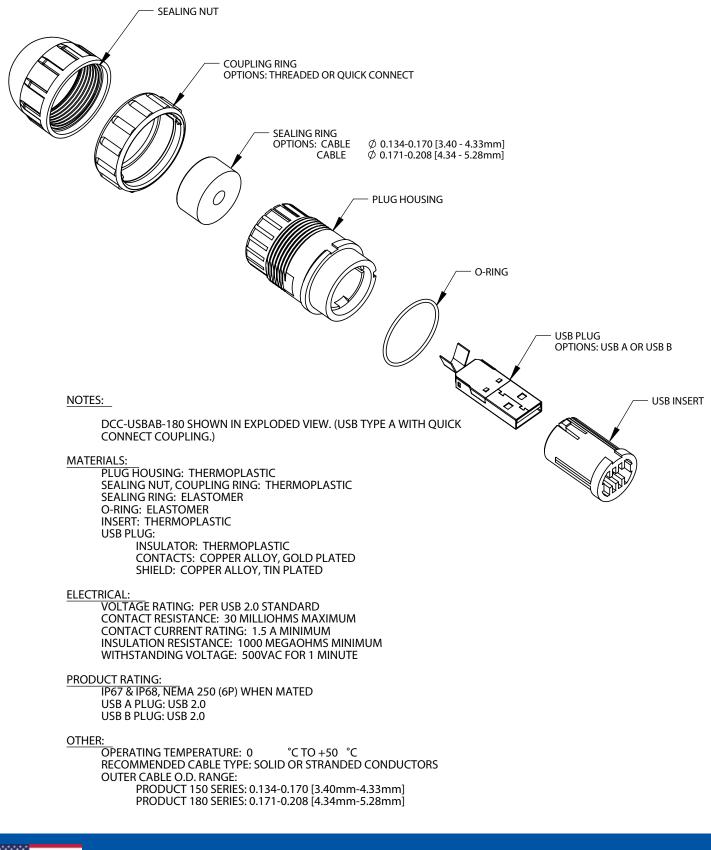
OTHER:

RECOMMENDED PANEL THICKNESS: QUICK CONNECT COUPLING: 1/32" TO 3/16" (0.8mm to 4.8mm) THREADED COUPLING: 1/32" TO 5/32" (0.8mm to 3.9mm)



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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Switchcraft: DCP-USBAB-F