

MINI-CON-X[®]

0.71" [18MM] OD 2-8 CONTACTS



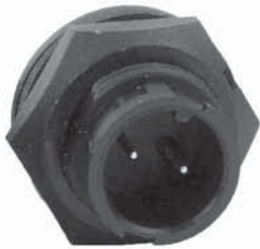
CABLE END - SOCKET
MATES WITH PANEL MOUNT AND
CABLE TO CABLE



CABLE END - PIN
MATES WITH PANEL MOUNT AND
CABLE TO CABLE



CABLE TO CABLE / INLINE - PIN
MATES WITH CABLE END



PANEL MOUNT - PIN
MATES WITH CABLE END



PANEL MOUNT - SOCKET
MATES WITH CABLE END



DUST CAP
P/N - 6295



IP RATED LOCKING CAP
P/N - 6295P-W



MOLDED CABLE END ASSEMBLY



MOLDED CABLE TO CABLE ASSEMBLY



MOLDED RIGHT ANGLE CABLE ASSEMBLY

SPECIFICATIONS

Mechanical Specifications

Life:	300 insertion / withdrawal cycles minimum
Vibration:	Coupling rings have overriding locking feature to prevent loosening or separation of connector
Hex Nut Torque:	10 in-lb max tightening torque.
Coupling Locking Style:	Bayonet with ribbed coupling nut (winged coupling nut available) P/N 6482
Backshell Style:	Removable twist lock
Conductor Size:	#16 contacts accepts 16 through 18 AWG #20 contacts accepts 20 through 24 AWG

Electrical Specifications

Voltage Rating:	600 V AC/DC
Current Rating:	13.0 A – max (See page 107 for Electrical Current Rating Chart)

Environmental Specifications

Operating Temperature Rating:	-40°C to +85°C (-40°F to +185°F)
Salt Atmosphere (Corrosion):	300 Hr salt spray when mated
Weathertight:	IP67 when mated

Material Specifications

Backshell:	Thermoplastic, UL 94HB, Black
Contacts:	Copper Alloy, Gold over Nickel Plate
Coupling Ring:	Thermoplastic, UL 94HB, Black
Gasket:	Elastomer, Black
Grommet / Strain Relief:	Elastomer, Black
Hex Nut:	Thermoplastic, UL 94HB, Black
O-Ring:	Elastomer, Black
Shell:	Thermoplastic, UL 94HB, Black
Optional Dust Cap:	Elastomer, Black

Molded Cable Assemblies

Weathertight:	NEMA 6P, 13: IEC IP67
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Certifications

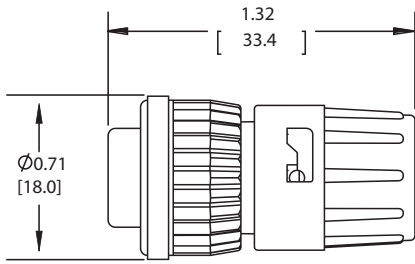
UL File E150822
CSA File 181200
Not for current interruption
RoHS compliant
REACH compliant

Options

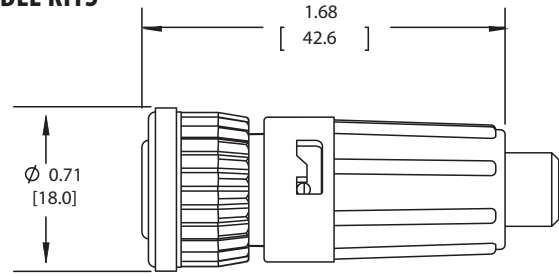
UV Rating:	F1 available
Flame Rating:	UL 94V-0 available

Consult factory for optional colors and materials

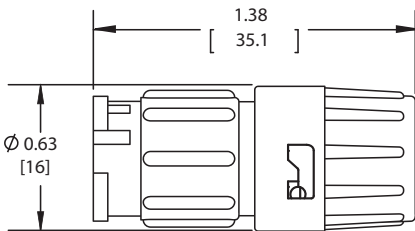
FIELD INSTALLABLE KITS



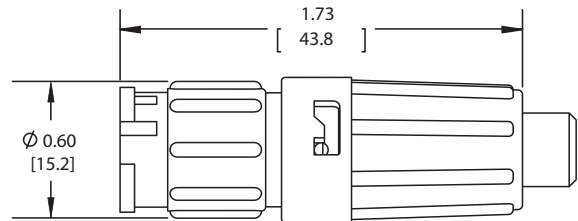
6XXX-XXG-3XX
FIELD INSTALLABLE
CABLE CONNECTOR
TWIST LOCK BACKSHELL
TYPE 3-SHORT



6XXX-XXG-5XX
FIELD INSTALLABLE
CABLE CONNECTOR
TWIST LOCK BACKSHELL
TYPE 5-LONG

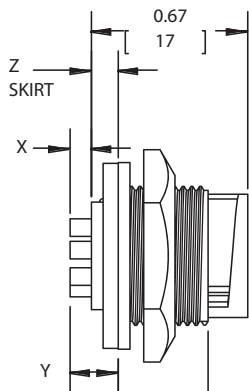


8XXX-XXG-3XX
FIELD INSTALLABLE
CABLE TO CABLE CONNECTOR
TWIST LOCK BACKSHELL
TYPE 3-SHORT

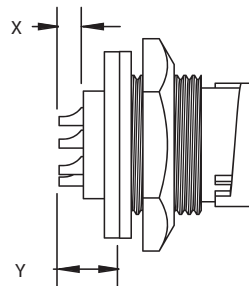


8XXX-XXG-5XX
FIELD INSTALLABLE
CABLE TO CABLE CONNECTOR
TWIST LOCK BACKSHELL
TYPE 5-LONG

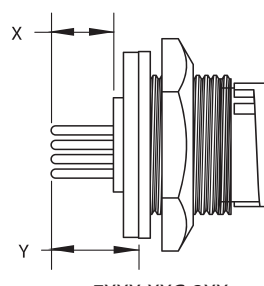
PANEL MOUNT ASSEMBLY KITS



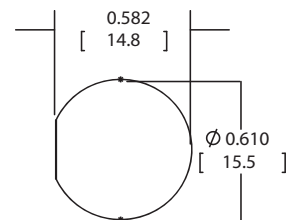
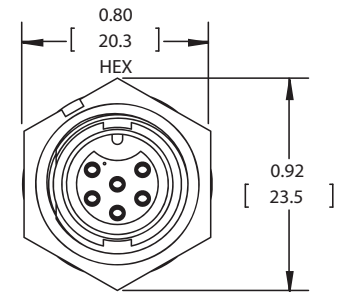
7X80-XXG-3XX
PANEL MOUNT CONNECTOR
CRIMP



7X82-XXG-3XX
PANEL MOUNT CONNECTOR
SOLDER CUP



7XXX-XXG-3XX
PANEL MOUNT CONNECTOR
PC TAIL

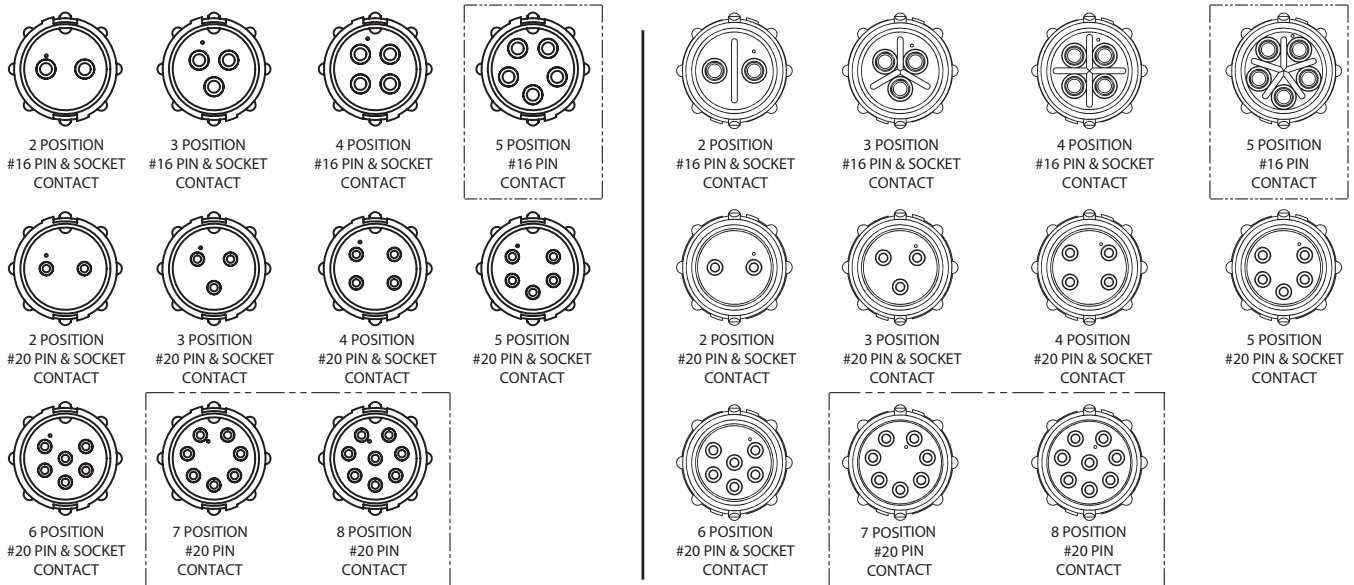


RECOMMENDED
PANEL CUT-OUT
TOLERANCE: ± 0.003 [0.08]

*X, Y, Z - Consult Factory. All dimensions are for reference only. Units shown: in[mm].

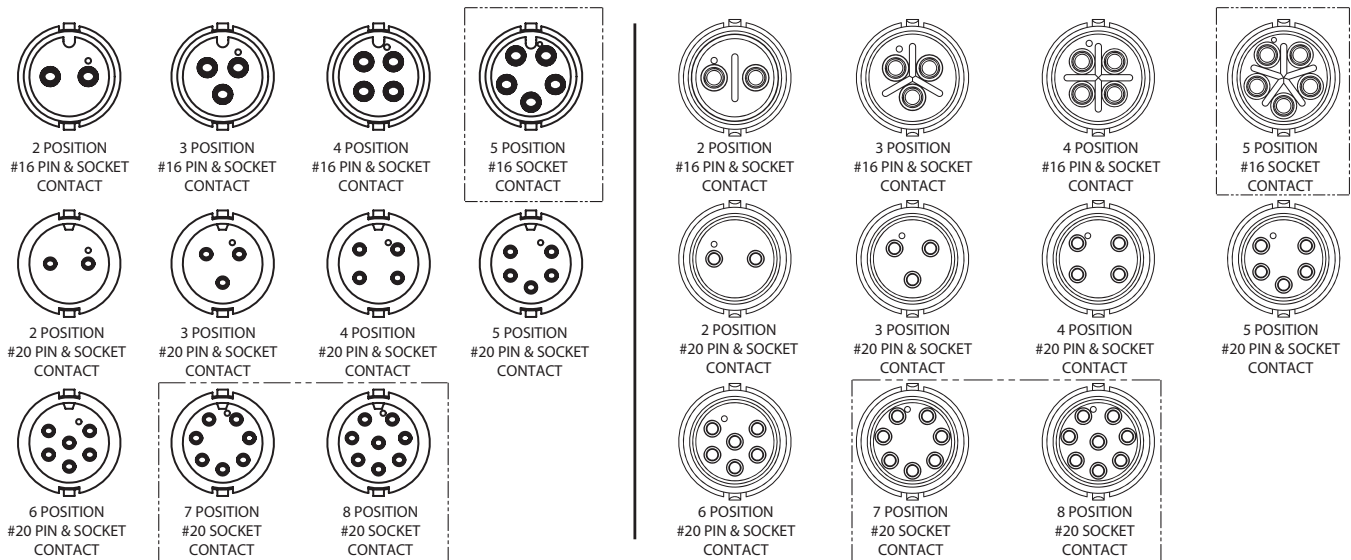
PANEL MOUNT / CABLE TO CABLE CONNECTORS

Front View | Wire View



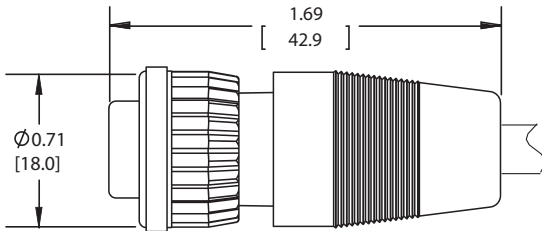
CABLE CONNECTORS

Front View | Wire View

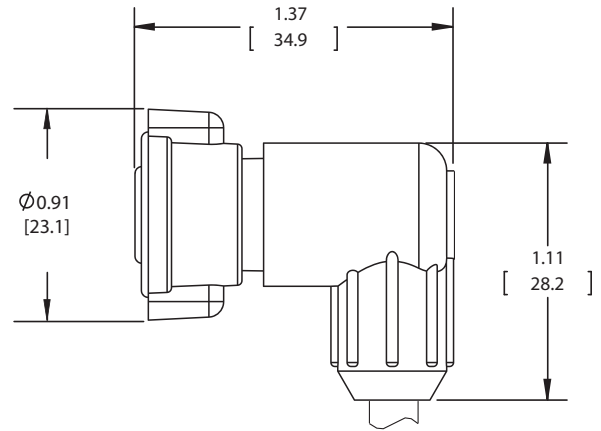


All dimensions are for reference only. Units shown: in[mm].

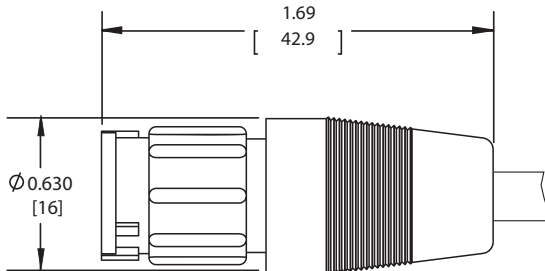
CUSTOM MOLDED CABLE ASSEMBLIES



6XXX-XXG
CUSTOM CABLE CONNECTOR
STRAIGHT OVERMOLDED



6XXX-XXG
CUSTOM CABLE CONNECTOR
RIGHT ANGLE OVERMOLDED



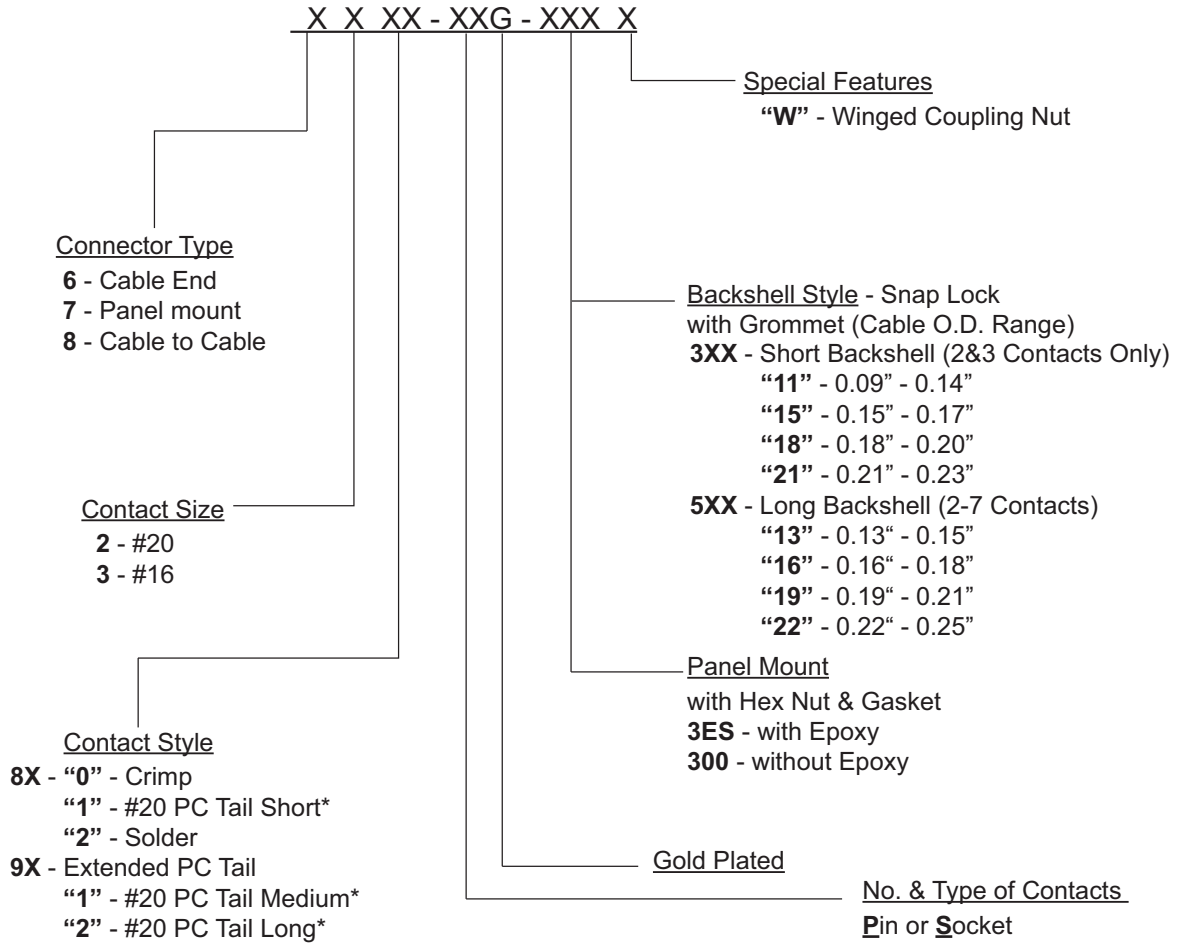
8XXX-XXG
CUSTOM CABLE TO CABLE CONNECTOR
STRAIGHT OVERMOLDED

Note: Mini-Con-X[®] can be overmolded onto an extended well panel mount. Straight version only.

- Available in: 2#20, 4#20 and 6#20 female
- Available in: 4#20, 6#20 and 7#20 male

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

PART NUMBER TO ORDER



*Consult factory for length and diameter of PC Tail. Additionally, alternative colors and materials are available.