

OFF-THE-SHELF

**TINI QG® MINI XLR**

CABLES



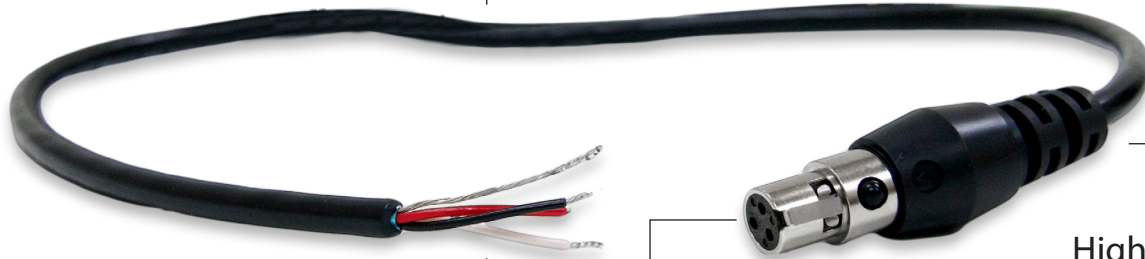
**Switchcraft®**  
**CONXALL®**

HARSH ENVIRONMENT CONNECTIVITY SOLUTIONS

5555 N ELSTON AVE | CHICAGO, IL | 773.792.2700 | SALES@SWITCHCRAFT.COM | WWW.SWITCHCRAFT.COM

2-meter standard length  
Custom lengths also available

Rugged cable with mylar foil shield, PVC jacket, and drain wire



Single ended cables have stripped and tinned leads with color coded conductors for easy installation

Genuine USA-made Switchcraft® connectors

High quality overmold with flex relief

## NEW! STANDARD CABLES

**THE TINI-QG® SERIES FROM SWITCHCRAFT®** are the original Mini-XLR connectors, and they are still made in Chicago to the same high quality standard and used in critical applications all over the world. These standard cables are available off the shelf from participating Switchcraft distributors, perfect for prototypes and low to medium volume production. They are overmolded in the Switchcraft® factory using high quality shielded cable, suitable for the most demanding applications, from medical devices to professional audio systems.



**SHIELDED DESIGN**

Connector and cable offer full shielding for improved performance without interference



**TRUE FLEX RELIEF**

Molded flex relief resists harsh bends, significantly extending the life of the cable



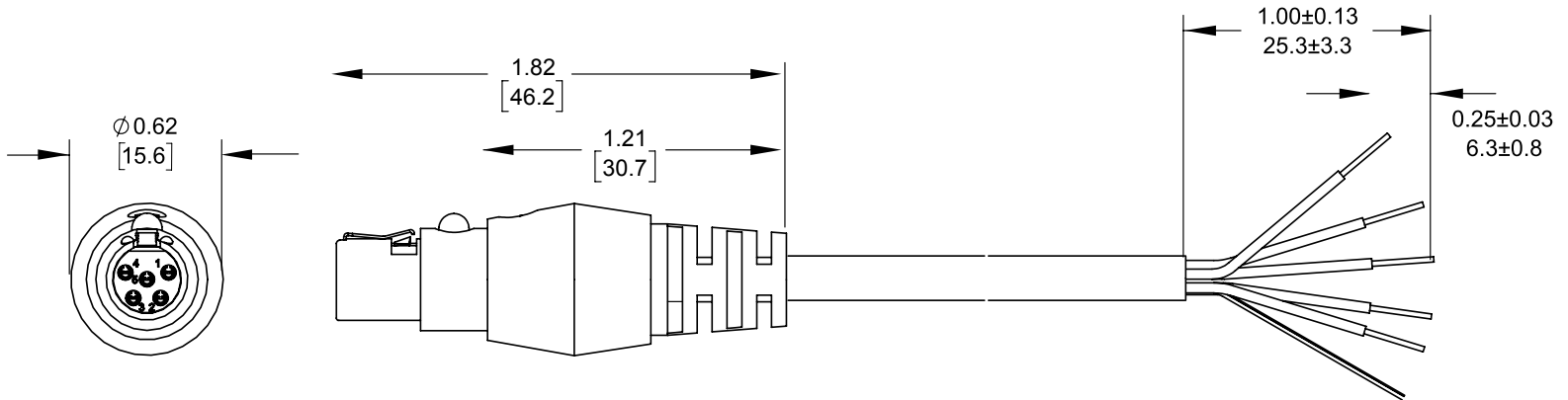
**MADE IN USA**

The connectors and molded cable assemblies are made in the Switchcraft® factory in Chicago

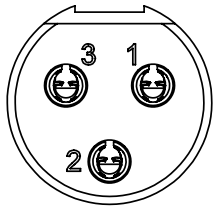
| ITEM         | CONTACT              | LENGTH   | OPPOSITE END         | MATING CONNECTORS            |
|--------------|----------------------|----------|----------------------|------------------------------|
| 603HG079184X | 3-pos female sockets | 2M (79") | Strip/Tin Leads      | TB3M__, TA3M__, TRA3M        |
| 604HH079184X | 4-pos female sockets | 2M (79") | Strip/Tin Leads      | TB4M__, TA4M__               |
| 605HJ079184X | 5-pos female sockets | 2M (79") | Strip/Tin Leads      | TB5M__, TA5M, TB3M__, TA3M__ |
| 603HG079603X | 3-pos female sockets | 2M (79") | 3-pos female sockets | TRA3M                        |
| 604HH079604X | 4-pos female sockets | 2M (79") | 4-pos female sockets | TB4M__, TA4M__               |
| 605HJ079605X | 5-pos female sockets | 2M (79") | 5-pos female sockets | TB5M__, TA5M                 |

Call factory for custom lengths and other custom configurations

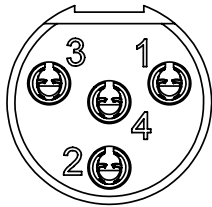
## DIMENSIONS



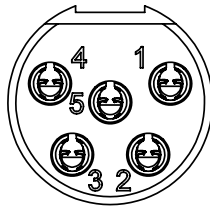
## CONTACTS



3 Pin Female



4 Pin Female



5 Pin Female

## WIRING CHART

| PIN   | WIRE COLOR           |
|-------|----------------------|
| PIN 1 | BLACK                |
| PIN 2 | WHITE                |
| PIN 3 | RED                  |
| PIN 4 | GREEN                |
| PIN 5 | BROWN                |
| SHELL | SHIELD/<br>DRAINWIRE |

### CABLE SPECIFICATIONS

**Conductor Gauge:** 24awg (7x32)

**Conductor Materials:** Tinned copper

**Primary Insulation ID:** 0.045

**Insulation Material:** Semi-rigid PVC, 0.010" [0.25mm] thick

**Shield:** Foil with drain wire

**Shield Material:** Aluminum-polyester

**Outer Jacket Material:** Black PVC, 0.035" [0.89mm] thick, 80C

**Capacitance:** 30 picofarads/ft

**Approvals:** Cable is UL & CSA approved and marked

Product is RoHS Compliant

# SPECIFICATIONS

## MECHANICAL:

|   |  |
|---|--|
| Life:                                     | 5,000 operations minimum                                 |
| Insertion/Withdrawal Forces (after life): | 6.1 lb./2.77 kg , insertion; 5.6 lb/2.54 kg, withdrawal. |
| Mechanical Shock:                         | Meets MIL-STD-202, method 213B                           |
| Vibration                                 | Meets MIL-STD-202, method 201A                           |

## ELECTRICAL:

|                              |  |
|------------------------------|--|
| Contact Resistance           | .010 ohms maximum after life (and after salt spray).   |
| Current Rating (Carry Only): | 5A, 125 V AC (4A, 125 V AC on 5 circuit) of 30°C max.<br>5.6A max #20 contacts (4 thru 12 positions) |
| Insulation Resistance:       | 510,000 megohms minimum @ 500 VDC (initial);<br>10,000 megohms minimum (after humidity test)         |
| Dielectric Strength:         | 1,000 V (rms)  |

## ENVIRONMENTAL:

|                |                                 |
|----------------|---------------------------------|
| Thermal Range  | -55°C to + 85°C.                |
| Humidity:      | Meets MIL-STD-202, method 106D. |
| Thermal Shock: | Meets MIL-STD-202, method 107D  |
| Salt Spray     | Meets MIL-STD-202, method 101   |

## MATERIAL:

|                                |                                     |
|--------------------------------|-------------------------------------|
| Housing                        | Copper alloy, nickel-plated.        |
| Pin and Socket Contacts        | Copper alloy, silver-plated         |
| Latch Button                   | Molded black thermoplastic          |
| Release Lever & Mount Washer   | Steel, nickel-plated                |
| Standoff/Ground Terminal       | Steel, electroplated.               |
| Cable Clamp:                   | Steel, electroplated.               |
| Inserts and Insulating Spacer: | Molded, high strength thermoplastic |
| Latch:                         | Copper alloy, nickel-plated         |