

# QCC®/QCC-HD®/QCC-R® WIRE CONDUIT

## QCC® & QCC-HD® CONDUIT:

The QCC® (Quick Connect Conduit) and QCC-HD® (Heavy-Duty) Conduits are constructed to withstand the continuous flexing associated with today's automatic or semi-automatic applications. These conduits are excellent for many "push" systems where the electrode wire is pushed from the feeder to the welding head. They will not stretch or compress, and are electrically insulated.

## QCC® Conduit:

Recommended for delivery of solid welding electrodes up to 3/32" (2.4mm) diameter, or cored wires up to 5/64" (2.0mm). Although the QCC® Conduit will bend into a very tight radius, to maintain quality performance, it is not recommended to bend it less than a 10" (25.4cm) radius.

## QCC-HD® Conduit:

Recommended for delivery of solid welding electrodes up to 1/8" (3.2mm) diameter, or cored wires up to 7/64" (2.8mm). Although the QCC-HD® Conduit will bend into a very tight radius, to maintain quality performance, it is not recommended to bend it less than a 16" (40.6cm) radius.



## QCC-R® CONDUIT:

The QCC-R® (Radius Duty) is an extremely flexible conduit which combines the reliability of a steel monocoil core with the flexibility of an unreinforced conduit system. It is ideal for applications where a tight bend is necessary, such as in the interior of an articulating arm and confined booms. They have limited stretch and are electrically insulated. Not recommended for "Push" applications.



## EXTRUDED POLY-XL® INSULATING JACKET:

All Three standard conduit assemblies are insulated with "POLY-XL®", Electron Beam's cross-linked proprietary blend of synthetic rubber. This elastomer is co-extruded with the inner polyester reinforcement to provide an abrasion and tear-resistant jacket, while resisting high heat of the welding environment.

## SPECIFICATIONS

**QCC® & QCC-HD®** - QCC - .198”(5.0MM) I.D, .500”(12.7MM) O.D./ QCC-HD - .265”(6.7MM) I.D, .625”(15.9MM) O.D. The core is reinforced with multiple strands of preformed high carbon, high tensile steel wire, which permits flexibility, prevents kinking, and reduces fatigue failures associated with single wire unreinforced conduit constructions. The flat wire monocoil core is precision wound from long-lasting, high carbon, hardened steel spring wire.

**QCC-R®** - .198”(5.0MM) I.D, .510”(13MM) O.D. - The high carbon, monocoil, round wire metal coiled core provides greater flexibility while maintaining resistance to wear and corrosion. Reinforced by a tightly extruded polyester coating reduces monocoil stretch while maintaining flexibility.

**QCC®, QCC-HD® and QCC-R®** conduits can be furnished cut to length as a complete assembly with swaged-on male bayonet terminations at each end allowing a quick connection into our extensive line of connectors and adaptor kits. Bulk conduit is available in 90’ (27.4m) for **QCC®, QCC-HD®** and 100’ (30.48m) for **QCC-R®** lengths allowing the bulk conduit to be cut to any desired length and field terminated with a respective QCC® or QCC-HD® Connector, reducing the necessity to stock random lengths.

## HOW TO ORDER - CONDUITS

LENGTH	QCC® PART NUMBER	QCC-HD® PART NUMBER	QCC-R® PART NUMBER
24” (0.61m)	QCC24	NA	QCC-R24
30” (0.76m)	QCC30	NA	QCC-R30
36” (0.91m)	QCC36	NA	QCC-R36
48” (1.22m)	QCC48	NA	QCC-R48
60” (1.52m)	QCC60	NA	QCC-R60
72” (1.83m)	QCC72	QCC-HD72	QCC-R72
84” (2.13m)	QCC84	QCC-HD84	QCC-R84
96” (2.44m)	QCC96	QCC-HD96	QCC-R96
108” (2.74m)	QCC108	QCC-HD108	QCC-R108
120” (3.05m)	QCC120	QCC-HD120	QCC-R120
144” (3.66m)	QCC144	QCC-HD144	QCC-R144
180” (4.57m)	QCC180	QCC-HD180	QCC-R180
240” (6.10m)	QCC240	QCC-HD240	QCC-R240
300” (7.62m)	QCC300	QCC-HD300	QCC-R300
BULK	90’ Length –# A-2046	90’ Length –# A-2047	100’ Length –# A-2052

- See catalog sheet CAT-021 CONDUIT CONNECTORS AND ACCESSORIES for the appropriate adaptors and connectors.

## HOW TO ORDER - STRAIN RELIEFS



**A-1811-1 - QCI INSULATOR** Non-Conductive. Withstands spatter, melting and high temperature of the welding environment. Slides over connectors to insulate and isolate fittings.



**A-1873-2 Strain Relief 12” (30cm)**  
**A-1873-1 Strain Relief 48” (121cm)**

Heavy walled rubberized, heat activated tubing provides addition strain relief reinforcement. Can be field installed or factory installed.

