

AMERICAN WELDQUIP WIRE CONDUIT



WIRE CONDUIT

Both conduits shown with optional bayonet.

BLUE PE

BIG BLUE PE

These conduits are non-conductive and lightweight, making them useful for many wire feeding applications.

✓ BLUE PE & BIG BLUE PE CONDUIT

Blue PE and Big Blue PE Conduits are designed for soft electrodes and mild steel electrode used at high deposition rates. These non-conductive conduits are lightweight, making them useful for many wire feeding applications.

NON-METALLIC CORE:

Made from high density polyethylene with outstanding mechanical properties and inherent lubricity. No metal core is used in the manufacture of these conduits which is ideal for obtaining x-ray quality welds. Especially useful when welding with aluminum or other exotics, as no metal is available to contaminate the weld. The hard polymer interior reduces drag and promotes smooth feeding.

✓ ERC® & ERC-HD® CONDUIT

The ERC® (Extended Reach Conduit) and ERC-HD® (Heavy-Duty) Conduits are both designed for extended run lengths. They resist wear and reduce feed pressure due to their limited bending. Ideal for stationary applications, they will not stretch or compress, and are electrically insulated.

FLAT WIRE MONOCOIL CORE - The flat wire monocoil core is precision wound from long-lasting, high carbon, hardened steel spring wire for a longer, productive life. Manufactured to larger I.D. clearances which is especially useful in reducing wire drag.

POLYETHYLENE INSULATING JACKET - The thick wall extruded polyethylene jacket reinforces the wire monocoil while limiting bending and resisting "snaking" conditions caused by electrode cast. Superior wire transfer is accomplished due to this reinforcement over long distances with minimal bends.

Both conduits shown with optional connector and bayonet.

ERC®

ERC-HD®

This semi-rigid conduit is ideal for stationary applications.

HOW TO ORDER

LENGTH	BLUE PE PART NUMBER	BIG BLUE PART NUMBER
100' (30.48m)	A-2050-100	A-2051-100
250' (76.20m)	A-2050-250	A-2051-250
500' 304.80m)	A-2050-500	A-2051-500

LENGTH	ECR® PART NUMBER	ECR-HD® PART NUMBER
100' (30.48m)	A-2048-100	A-2049-100
250' (76.20m)	A-2048-250	A-2049-250
500' 304.80m)	A-2048-500	A-2049-500

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 additional strain relief reinforcement. Can be field installed or factory installed.

SPECIFICATIONS

BIG BLUE PE Conduit:

Recommended for use with soft solid welding electrodes up to 1/16" (1.6mm) diameter and other comparably sized mild steel electrodes. It is not recommended to bend it less than a 16" (40.6cm) radius. Tighter bends may result in increased wire drag and conduit wear.

BLUE PE - .312"(7.9mm) I.D., .460"(11.7mm) O.D

BIG BLUE PE - .400"(10.2mm) I.D., .600"(15.3mm) O.D.

Fitting termination is easily applied by the distributor or end user by cutting to length with a sharp knife or razor and applying the appropriate bayonet.

ERC® - .312"(7.9mm) I.D., .625"(15.9mm) O.D

ERC-HD® - .357"(9.0mm) I.D., .750"(19.1mm) O.D

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