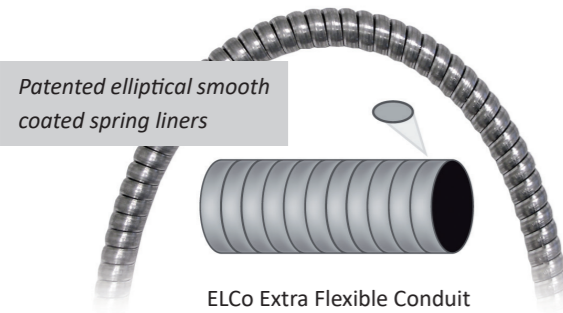


# Step 3 - Conduits for Mild Steel

## Extra Flexible Conduit



The Wire Wizard extra flexible conduit made with hard metal spring of elliptical wire for:

- Less contact with welding wire surface
- Minimum friction
- Smooth round edges in bends
- Easy to feed in new wire



The double insulation jacket makes the right proportion in stiff and flexible.

	Part No.	Dimensions in mm inside x outside	Connector	Use for wire	Order quantity	Bulk length
	FC-X	6,0 x 12,7 mm	A-10CX	0,6 - 1,6 mm	Per mtr	30,5 mtr
<b>The FC-X liner is the standard for MIG/MAG welding</b>						
	FC-XH	7,5 x 15,5 mm	A-10R	1,6 - 2,4 mm	Per mtr	30,5 mtr
	FC-XH-LW	10,0 x 19,0 mm	A-9+A6	2,4 - 4,8 mm	Per mtr	30,5 mtr

## Get connected in 3 steps

- Cut your conduit at the right length with a cutter or angle grinder. **Attention: Do not strip it**
- Push the connector onto the liner. Make sure the clamping ring is in place.
- Tighten the connector with two wrenches.

## Extra Flexible Conduit in fixed lengths with swaged connectors

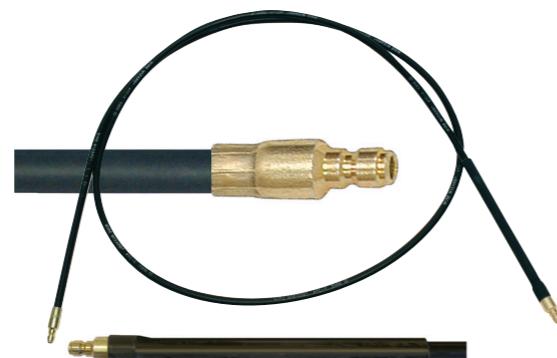
All conduits in our range are also available in fixed lengths with swaged connectors. For the FC-X we have made some standards.

Length*	Part No.
1,5 m	FCX015
3,0 m	FCX030
5,0 m	FCX050
8,0 m	FCX080
10,0 m	FCX100

Two Swaged connectors

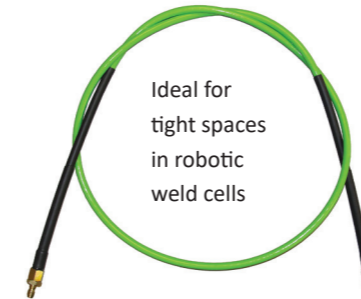
One side with polymer strain relief

\*Other lengths can be made at request



# Step 3 - Extreme Flexible Conduit

## Extreme Flex Conduit



Ideal for tight spaces in robotic weld cells

This new extreme flexible conduit is made for those robotic applications in which the robot has to operate in a very tight welding cell.

When using a regular stiff conduit for such applications, the conduit can easily hook up with other parts. Or in case of a fast moving robot the conduit can hit against the walls of the cell causing damage to the feeder connectors

This extreme flexible conduit bends easy into the small spaces around the robot

### Extreme Flex Conduit

Shown as cut length with connectors and strain reliefs



### Polymer strain relief

Included on all pre-cut lengths

## Available lengths and connectors

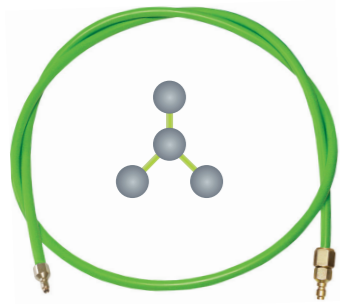
FC-E Conduit per meter	
FC-E Diameter: 6,0 x 11,7 mm Order quantity: per meter Bulk length: 30,5 meter	
Standard connector A-10CH	
	Strain relief connector A-10CH-SR

FC-E Conduit in fixed lengths with three different connections					
Wire Wizard		Panasonic/Nitto		Asian Style UNF Thread	
3,0 m	FCE030W	3,0 m	FCE030P	3,0 m	FCE030A
5,0 m	FCE050W	5,0 m	FCE050P	5,0 m	FCE050A
7,5 m	FCE075W	7,5 m	FCE075P	7,5 m	FCE075A
10,0 m	FCE0100W	10,0 m	FCE0100P	10,0 m	FCE0100A
2x at conduit	At feeder / drum	2x at conduit	At feeder / drum	2x at conduit	At feeder / drum
Wizart male bayonet fits wizart female QD		Panasonic fits Niito HI Cupla Ace connector		9/16"-18UNF thread fits Asian style feeders	

# Step 3 - Conduits Stainless Steel & Aluminum

## Polymer Conduit

### The new standard is green



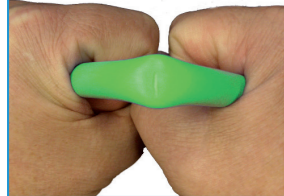
The Wire Wizard polymer conduit is made of a cross-linked polymer which unites all the best in one.

- Low friction coefficient
- Extended wear
- High durability
- Light in weight

Tested for maximum durability by continuously flexing it back and forward. The EC-4 lasts over 200.000 times. That's the amount of the leading competition times 70!



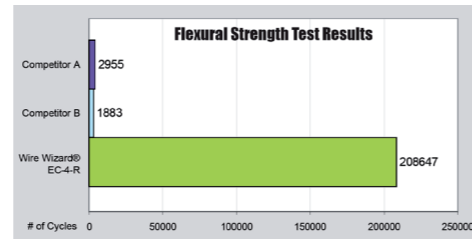
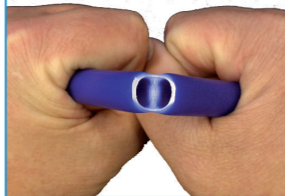
EC-4 Crosslinked Conduit



Non-Crosslinked Conduit A

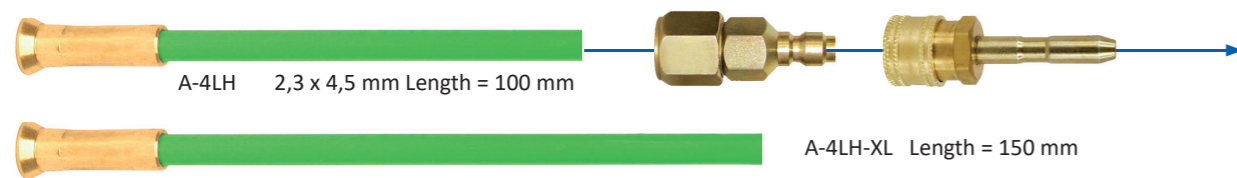


Non-Crosslinked Conduit B



	Part No.	Dimensions in mm	Connector	Use for wire	Order quantity	Bulk length
	EC-4	7,6 x 11,7 mm	A-10CH	0,6 -1,6 mm	Per mtr	152 mtr
<b>The EC-4 liner is the standard for MIG/MAG welding</b>						
	EC-5	10,0 x 15,2 mm	A-10R	1,6 - 4,8 mm	Per mtr	152 mtr

## Polymer liner insert for metal-free connector transit



The A-4LH is designed to prevent the wire from shaving against the steel connectors. The EC-4 conduit nudge against the liner-insert which makes the wire transit completely metal-free.

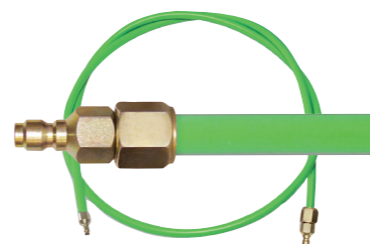


## Polymer Conduit in fixed lengths with thread connectors

All conduits in our range are also available in fixed lengths with thread-connectors For the EC-4 we have some standards.

Length*	Part No.	Length*	Part No.
1,5 m	EC4-015	8,0 m	EC4-080
3,0 m	EC4-030	10,0 m	EC4-100
5,0 m	EC4-050	12,0 m	EC4-120

\*Other lengths can be made at request



# Step 4 - Conduit Connectors

## Connectors for Extra Flexible Conduit

Conduit	Compression	Press-on	In-Line	Union
FC-X	A-10CX	A-11X	A-10XM	
FC-XH	A-10R	A-11XH	A-10RM	A-10RU
FC-XH-LW	A9 + A6 (HD see page 22)	A-11XH-LW	A-9	A-9U

For connectors with a strain relief add -SR to the article number

## Connectors for Extreme Flexible Conduit

Conduit	Compression	In-Line	Compression with Strain relief
FC-E	A-10CH	A-10HM	A-10CH-SR

A-11E-2-3 reinforce-ment tube

## Connectors for Polymer Conduit

Conduit	Compression	Self threading	In-Line	Union
EC-4	A-10CH	A-16F4	A-10HM	
EC-5	A-10R	A-16F5	A-10RM	A-10RU

For connectors with a strain relief add -SR to the article number

## Replacement ferrules for compression connectors

Re-use the connector by only replacing the ferrule



Conduit	Part No.
EC-4 & FC-E	A-10CFE
FC-X	A-10XFE
FC-XH & EC-5	A-10RFE
FC=XH-LW	A-9-FE