

ROBO CATALOGUE 4.7

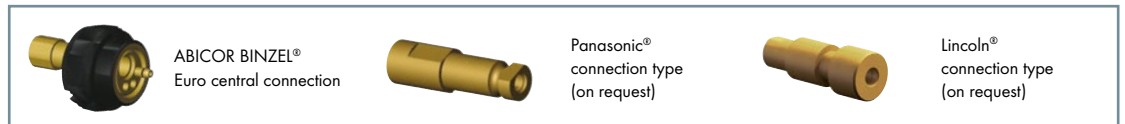
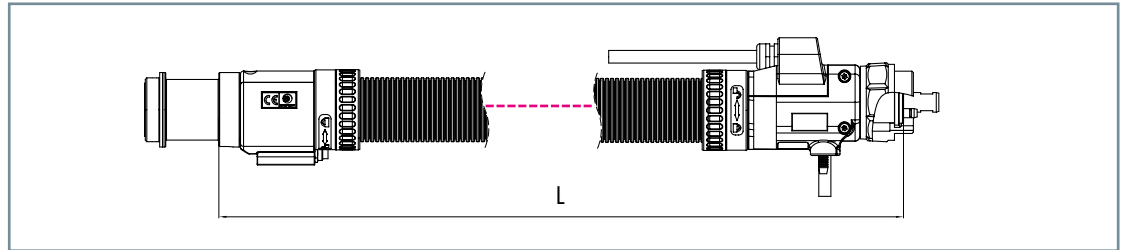


**Robotic joining technology for all
metalworking industries**



ABIROB® W – liquid cooled Cable assemblies & accessoires

Cable assemblies and connection types



Cable assemblies ABIROB® W 5H

(Recommended for amperages up to 400 A and cable assembly lengths up to 2.50 m)

with connection type	Length	Part-No.
ABICOR BINZEL®	1.10 m	782.1014.1
Euro central connection	1.35 m	782.1018.1
	1.50 m	782.1020.1

Cable assemblies ABIROB® W 7F

(Recommended for amperages over 400 A)

with connection type	Length	Part-No.
Euro central connection	1.35 m	782.1049.1
	1.50 m	782.1099.1

Other lengths are available on request.

The control cable is not pre-wired at the machine end. Power source specific types on request.

The steel liner 0.8-1.2 mm is included in the scope of delivery. Please order other versions separately.

Liners for Euro central connection¹

Type	Wire-Ø	up to L = 1.5 m ⁴	up to L = 3.15 m ⁴	10.0 m	Collet
Liner steel ²	0.8-1.2 mm	124.0145.1	124.0146.1	124.0159.1	131.0012
Liner steel ²	1.4-1.6 mm	124.0147	124.0148	124.0160	131.0011
Combined wire feed ³	0.8-1.2 mm	128.M008	128.M009	-	131.0019
	1.4-1.6 mm	128.M012	128.M013	-	131.0020

Accessories



Description	Part-No.
1 Thread cutter M10x1 (for inner tube)	191.0085
2 Alignment tool (to align inner tube with outer tube)	191.0090.1
3 Pin wrench (to unscrew the connection)	191.0115

Alignment jig

for torch neck	torch geometry	Part-No.
ABIROB® W 300	22°/45°	837.0484.1
ABIROB® W 500/W 500 (+100 mm)	0°/22°/35°/45°	837.0950.1
ABIROB® W 600/W 600 (+100 mm)	0°/22°/35°/45°	837.0860.1



¹ Liners for other connection types are available on request.

² Steel liners (insulated) for the use of non-alloyed and low-alloyed steels. The completely insulated wire feed prevents damage caused by micro-arcing on the wire. This allows optimal current transfer inside the contact tube, improving the welding process. The insulated steel liner must always be used for power sources with optimal welding wire sensors.

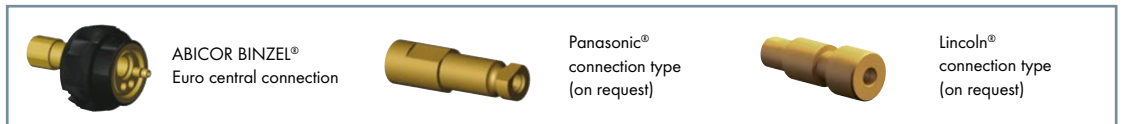
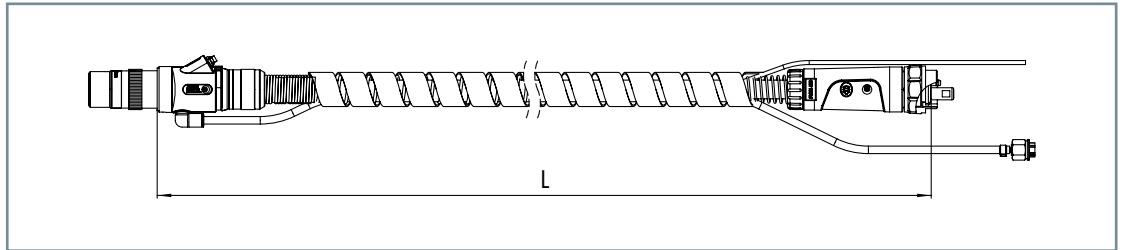
³ Combined wire feed – for aluminum or bronze wires – is a combination of PA liner and a bronze liner pressed on in the front section to avoid thermal overload of the PA.

⁴ Including 1x collet

ABIROB® A ECO – air cooled

Cable assemblies & accessories

Cable assemblies and connection types



Cable assemblies cpl. ABIROB® A ECO

with connection type	Length	Part-No.
ABICOR BINZEL®	1.15 m	980.1066
Euro central connection	1.20 m	980.1067
	1.30 m	980.1068
	1.45 m	980.1069

Cable assemblies cpl. ABIROB® A ECO

with connection type	Length	Part-No.
ABICOR BINZEL®	1.60 m	980.1070
Euro central connection	2.15 m	980.1097
	3.15 m	980.1098

The control cable is not pre-wired at the machine end. Power source specific types on request.
The steel liner \varnothing 0.8-1.2 mm is included in the scope of delivery. Please order other versions separately.

Liners for Euro central connection¹

Type	Wire- \varnothing	up to L = 1.6 m ³	up to L = 3.15 m ³	10.0 m ⁴	Collet
Liner steel ²	0.8-1.2 mm	124.0145.1	124.0146.1	124.0159.1	131.0012
Liner steel ²	1.4-1.6 mm	124.0147	124.0148	124.0160	131.0011

Accessories



Description	Part-No.
Alignment tool (to align inner tube with outer tube)	191.0090.1
Gas nozzle sensor clip ABIROB® A 360 (without figure)	980.1099
Gas nozzle sensor clip ABIROB® A 500 (without figure)	980.1100



Alignment jig for torch type	Torch geometry	Part-No.
ABIROB® A 300	45°	837.0600
ABIROB® A 360/A 500	0°/22°/35°/45°	837.0500

¹ Liners for other connection types are available on request.

² Steel liners (insulated) for the use of non-alloyed and low-alloyed steels. The totally insulated wire feed prevents damage caused by micro-arcing on the wire. This allows optimal current transfer inside the contact tube, improving the welding process. The insulated steel liner must always be used for power sources with optimal welding wire sensors. Liners for aluminum and special wires on request.

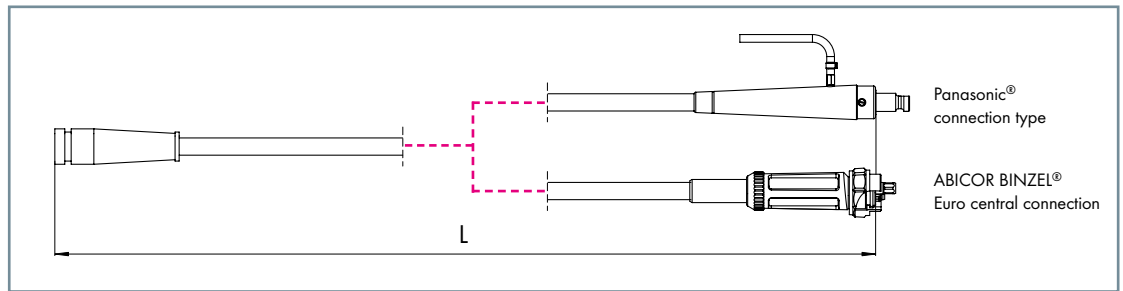
³ Including 1 x collet

⁴ For individual production including one collet.

ABIROB® 350 GC – air cooled

Cable assemblies & accessories

Cable assemblies and connection types



Cable assemblies cpl.

with connection type	Length	Part-No.
ABICOR BINZEL® Euro central connection	1.10 m	980.0030
PANASONIC®	1.10 m	980.0029.1

The control cable is not pre-wired at the machine end. Power source specific types on request.
The steel liner \varnothing 0.8-1.2 mm is included in the scope of delivery. Please order other versions separately.

Clamp module and connection nut

Type	Part-No.
Clamp module 350 GC	980.0006.1
Connection nut	980.0081

Options

Type	Part-No.
Wire brake module	980.0143.1
CAT3 PRO connection kit	780.0716.1

Liners

For connection type	Type	Wire- \varnothing	up to L= 1.3 m
ABICOR BINZEL® Euro central connection	Liner steel black ¹	0.8-1.2 mm	124.0145.1
PANASONIC®	Liner steel black ¹	0.8-1.2 mm	124.0147

Accessories



Alignment jig

for torch type	Torch geometry	Part-No.
ABIROB® 350 GC	35°	837.0551.1
Standard		

¹ For the use of non-alloyed and low-alloyed steels. The totally insulated wire feed prevents damage caused by micro-arcing on the wire. This allows optimal current transfer inside the contact tube, improving the welding process. The insulated steel liner must always be used for power sources with optimal welding wire sensors. Liners for aluminum and special wires on request.

Robot mount iSTM

Liners & accessories

Liners

Type	for connection type ¹	Wire-Ø ²	up to L = 2.0 m
Liner steel	ABICOR BINZEL® Euro central connection	1.0-1.2 mm	124.0145.1
Liner steel	Fronius®	1.0-1.2 mm	124.0174
Liner steel	OTC®	1.0-1.2 mm	124.0165
Liner steel	Panasonic®	1.0-1.2 mm	124.0163.1

Accessories



Description	Part-No.
1 Insertion aid (for straightforward cable assembly attachment)	980.2030
not fig. Protective tube (length specification required)	109.0074
not fig. Corrugated hose end piece NW36	500.0453

¹ Liners for further connection types are available on request.

² Steel wire