



## Technical data

Coupling nut	Stainless Steel, Passivated
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67

### Cable data

Cable ID	RF50845
Total number of conductors	6
Cable diameter	Ø 5.13 mm
Cable length (L)	0.5 m (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	PVC, Black
Shield	Aluminum/polyester (IN)
Cable drain	26 AWG, TC (Tinned Copper)
Conductor diameter	0.044 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	6 x 24 AWG [Similar to 0.25 mm²]
Number of strands x O.D.	19 x 36 AWG
Conductor colors	GN, YL, GY, BN, BU, WH

### Electrical properties at +20 °C

Rated voltage	30 VDC
Current	2 A per signal contact, total current 6 A

### Mechanical and chemical properties

Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 15 x Ø
Cold bend rating	-40 °C
Ambient temperature range (static)	-40 °C...+85 °C
Ambient temperature range (dynamic)	-40 °C...+85 °C
Temperature range (installation)	-20 °C...+85 °C

### Approval

Approvals	CE RoHS
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### Note

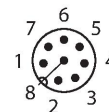
- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

- We reserve the right to make technical alterations without prior notice.

## Contact assignment

I/O Connector

Homerun connector



Scope of delivery

Device	Quantity	Description
Junction boxes	1	Passive actuator/sensor junction box
PSGK-MC	2	Closure caps for M8 female connectors
KS5/10	5	Labels

Accessories

Ident-No.	Part Number	Description
U5312-2	RKC 8.6T-5	Connection cordset, female, M12, 8-pin, straight, 5m * (homerun)
U5306-20	WKC 8.6T-5	Connection cordset, female, M12, 8-pin, right-angle, 5m * (homerun)
U0885-26	B 8181-0	Field-wireable, female, M12, 8-pin, straight,(6-8mm)
U0885-25	BS 8181-0	Field-wireable, male, M12, 8-pin, straight,(6-8mm)
A1050	KS 5/10 (10/LABELS)	Labels
U0135-6	PSG 3M-2	Cordset, male, M8x1, 3-pin, straight, 2m * (I/O port)
U0136-4	PSW 3M-2	Cordset, male, M8x1, 3-pin, right-angle, 2m * (I/O port)
U6427	PSGM-CC (8/BAG)	Dust cap, male, M8x1, Plastic, (8/BAG)
A900154	TORQUE-WRENCH-SET-M12&M8-LEGACY	Torque wrench set, Torque driver, torque setting tool, M12 fitting, M8 fitting.
A900101	PICOBX ADAPTOR PLATE, 4 PORT (1PACK)	Allows new picobox to utilize the previous version mounting hole locations.

\* Other lengths available on request

Circuit Diagram

