

10.2 Self-assembled cable

A reader/SLG connector plug with screw terminals is available for users who want to individually assemble their own cables (refer to the relevant system manual). Cables and reader/SLG connector plugs can be ordered from the catalog "ID 10 Industrial Identification Systems".

Cable structure

You will need cables of the following specifications for self-assembled cables:

- 7 x 0.25 mm²
- LIYC11Y 7 x 0.25

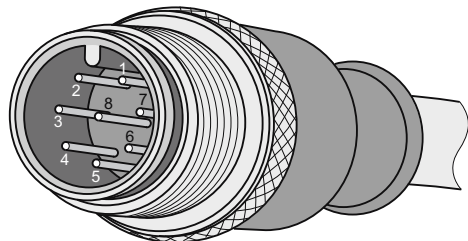
Connectors

M12 connectors can be obtained from the relevant specialist dealers (e.g. Binder).

Pin assignment

The pin assignment is listed in the following table.

Table 10-4 Pin assignment

M12 connector (male)	Pin	Signal	Core color
	1	1L+ (+ 24 V)	Note data sheet provided by cable manufacturer
	2	-RxD	
	3	0 V	
	4	RxD	
	5	TxD	
	6	-TxD	
	7	Free	
	8	Functional ground (PE)/shield	

Ordering data

Table 11- 1 Ordering data - RF180C

Ordering data	Order number
RF180C communications module max. 2 readers can be connected	6GT2002-0JD00
Connection block M12, 7/8" PN	6GT2002-1JD00
Push-pull connection block, RJ-45	6GT2002-2JD00
Labels 20 x 7 mm (1 x pack of 340)	3RT1900-1SB20

Table 11- 2 Ordering data - accessories for connection block M12 7/8" PN

Ordering data	Order number
IE plug-in cable for PROFINET (pre-assembled trailing cable with two M12 connectors, 4-pin, code D)	6XV1870-8Axxx *
7/8"-plug-in cable for supply voltage (5 x 1.5 mm ²) (pre-assembled trailing power cable with two 5-pin 7/8" connectors)	6XV1822-5Bxxx *
Trailing power cable (5 x 1.5 mm ²) (not preassembled; min. length 20 m, max. length 1000 m)	6XV1830-8AH10
Connector plug 7/8" for supply voltage; (1 x pack of 5) <ul style="list-style-type: none"> • with pin insert • with socket insert 	6GK1905-0FA00 6GK1905-0FB00
RJ-45 plug-in cable with metal casing and FC connection system, 180 ° cable outlet;(1 x pack of 1)	6GK1901-1BB10-2AA0
Cabinet feedthrough for conversion from M12 connector system (D coded, IP65) to RJ-45 connector system (IP20) ;(1 x pack of 5)	6GK1901-0DM20-2AA5
M12 plug-in cable with metal casing and fast connection system, 180° cable outlet (D coded) ; (1 x pack of 1)	6GK1901-0DB10-6AA0
M12 covering caps	3RX9802-0AA00
Covering caps 7/8" (1 x pack of 10)	6ES7194-3JA00-0AA0
PROFINET standard cable 2x2, Type A, unassembled; minimum order quantity 20 m	6XV1840-2AH10

*) These cables are available in different lengths. See Catalog IK PI for more details