

ROBOFLEX®-recycle M12 both ends pre-assembled



Technical data

- **Approval:**
UL/cUL approved
- **Production**
in accordance with VDE standards
- **Temperature range:**
fixed installation -40°C to +105°C
flexible -30°C to +105°C
- **Nominal voltage:**
300 V
- **Test voltage:**
2000 V
- **Minimum bending radius:**
7.5 x cable diameter (for flexible installation)
- **Traversing speed:**
max. 3.3 m/s for 5 m of horizontal traverse path length
- **Acceleration:**
max. 5 m/s²
- **Flexing and torsion cycles:**
min. 10 million.
- **Torsional stress:**
+/- 360°/m

Cable structure

- Bare copper litz wire, 42 x 0.10 mm
- Core insulation polyester, black, blue, brown
- Cores stranded in layers
- Sheath, special mix
- weld splatter resistant, dull, low adhesion, flame retardant and self-extinguishing to DIN VDE 0482-332-1-2, IN EN 60332-1-2/ IEC 60332-1
- Sheath colour: black
- **Assembly (3-pin)**
colour in cores brown, blue, black
AD 4,9 +/- 0,2 mm
- **Assembly (4-pin)**
colour of cores brown, blue, black, white
AD 5,2 +/- 0,2 mm
- **Assembly (5-pin)**
colour of cores brown, blue, black, white, grey
AD 5,5 +/- 0,2 mm

Properties

- very good resistance to oil as per DIN VDE 0473-811-404/DIN EN 60811-404
- good resistance to acids, alkalis and solvents
- not cross-linked
- weld splatter resistant
- recyclable
- halogen-free
- Silicone and cadmium-free
- Free of substances harmful to paint adhesion Substances
- very high mechanical load capacity
- abrasion resistant
- wear-resistant
- Highly flexible
- UV-resistant
- ROHS conformant
- CE conformant

Note

*Design for the standard 2 LEDs in the colours: yellow, green.

3 LEDs in the colours: white, yellow, green - available upon request.

** Sensor cable ROBOFLEX®-recycle M12 plug, straight and socket, angled, pre-assembled on both side, 5-pin. available on request.

IP67

A-coded

plug straight / socket angled with LED

Part no.	Cable type / cross-sec. mm ²	Length m	Plug type	Cop. weight kg / 1000 pcs.	
670866	ROBOFLEX®-recycle 3 x 0,34	1,0	plug straight / socket, angled with 2 LED	9,8	-
670802	ROBOFLEX®-recycle 3 x 0,34	1,5	plug straight / socket, angled with 2 LED	14,7	-
670803	ROBOFLEX®-recycle 3 x 0,34	3,0	plug straight / socket, angled with 2 LED	29,4	-
670804	ROBOFLEX®-recycle 3 x 0,34	5,0	plug straight / socket, angled with 2 LED	49,0	-
670805	ROBOFLEX®-recycle 3 x 0,34	10,0	plug straight / socket, angled with 2 LED	98,0	-
670867	ROBOFLEX®-recycle 4 x 0,34	1,0	plug straight / socket, angled with 2 LED	13,1	-
670814	ROBOFLEX®-recycle 4 x 0,34	1,5	plug straight / socket, angled with 2 LED	19,7	-
670815	ROBOFLEX®-recycle 4 x 0,34	3,0	plug straight / socket, angled with 2 LED	39,3	-
670816	ROBOFLEX®-recycle 4 x 0,34	5,0	plug straight / socket, angled with 2 LED	65,5	-
670817	ROBOFLEX®-recycle 4 x 0,34	10,0	plug straight / socket, angled with 2 LED	131,0	-

plug straight / socket straight

Part no.	Cable type / cross-sec. mm ²	Length m	Plug type	Cop. weight kg / 1000 pcs.	
671341	ROBOFLEX®-recycle 3 x 0,34	1,0	plug straight / socket straight	9,8	-
670750	ROBOFLEX®-recycle 3 x 0,34	1,5	plug straight / socket straight	14,7	-
670751	ROBOFLEX®-recycle 3 x 0,34	3,0	plug straight / socket straight	29,4	-
670752	ROBOFLEX®-recycle 3 x 0,34	5,0	plug straight / socket straight	49,0	-
670753	ROBOFLEX®-recycle 3 x 0,34	10,0	plug straight / socket straight	98,0	-
670771	ROBOFLEX®-recycle 4 x 0,34	1,0	plug straight / socket straight	13,1	-
670774	ROBOFLEX®-recycle 4 x 0,34	1,5	plug straight / socket straight	19,7	-
670775	ROBOFLEX®-recycle 4 x 0,34	3,0	plug straight / socket straight	39,3	-
670776	ROBOFLEX®-recycle 4 x 0,34	5,0	plug straight / socket straight	65,5	-
670777	ROBOFLEX®-recycle 4 x 0,34	10,0	plug straight / socket straight	131,0	-
671493	ROBOFLEX®-recycle 5 x 0,34	1,0	plug straight / socket straight	16,5	-
671494	ROBOFLEX®-recycle 5 x 0,34	1,5	plug straight / socket straight	24,8	-
671496	ROBOFLEX®-recycle 5 x 0,34	3,0	plug straight / socket straight	49,5	-
671497	ROBOFLEX®-recycle 5 x 0,34	5,0	plug straight / socket straight	82,5	-
671499	ROBOFLEX®-recycle 5 x 0,34	10,0	plug straight / socket straight	165,0	-

Continuation ►

ROBOFLEX®-recycle M12 both ends pre-assembled

plug straight / socket angled

Part no.	Cable type / cross-sec. mm²	Length m	Plug type	Cop. weight kg / 1000 pcs.	
670757	ROBOFLEX®-recycle 3 x 0,34	1,0	plug straight / socket angled	9,8	-
670758	ROBOFLEX®-recycle 3 x 0,34	1,5	plug straight / socket angled	14,7	-
670759	ROBOFLEX®-recycle 3 x 0,34	3,0	plug straight / socket angled	29,4	-
670760	ROBOFLEX®-recycle 3 x 0,34	5,0	plug straight / socket angled	49,0	-
670761	ROBOFLEX®-recycle 3 x 0,34	10,0	plug straight / socket angled	98,0	-
670781	ROBOFLEX®-recycle 4 x 0,34	1,0	plug straight / socket angled	13,1	-
670782	ROBOFLEX®-recycle 4 x 0,34	1,5	plug straight / socket angled	19,7	-
670783	ROBOFLEX®-recycle 4 x 0,34	3,0	plug straight / socket angled	39,3	-
670784	ROBOFLEX®-recycle 4 x 0,34	5,0	plug straight / socket angled	65,5	-
670785	ROBOFLEX®-recycle 4 x 0,34	10,0	plug straight / socket angled	131,0	-
671483	ROBOFLEX®-recycle 5 x 0,34	1,0	plug straight / socket angled	16,5	-
671484	ROBOFLEX®-recycle 5 x 0,34	1,5	plug straight / socket angled	24,8	-
671486	ROBOFLEX®-recycle 5 x 0,34	3,0	plug straight / socket angled	49,5	-
671487	ROBOFLEX®-recycle 5 x 0,34	5,0	plug straight / socket angled	82,5	-
671489	ROBOFLEX®-recycle 5 x 0,34	10,0	plug straight / socket angled	165,0	-

plug angled/ socket angled

Part no.	Cable type / cross-sec. mm²	Length m	Plug type	Cop. weight kg / 1000 pcs.	
670766	ROBOFLEX®-recycle 3 x 0,34	1,5	plug angled / socket angled	14,7	-
670767	ROBOFLEX®-recycle 3 x 0,34	3,0	plug angled / socket angled	29,4	-
670768	ROBOFLEX®-recycle 3 x 0,34	5,0	plug angled / socket angled	49,0	-
670769	ROBOFLEX®-recycle 3 x 0,34	10,0	plug angled / socket angled	98,0	-
670790	ROBOFLEX®-recycle 4 x 0,34	1,5	plug angled / socket angled	19,7	-
670791	ROBOFLEX®-recycle 4 x 0,34	3,0	plug angled / socket angled	39,3	-
670792	ROBOFLEX®-recycle 4 x 0,34	5,0	plug angled / socket angled	65,5	-
670793	ROBOFLEX®-recycle 4 x 0,34	10,0	plug angled / socket angled	131,0	-
671533	ROBOFLEX®-recycle 5 x 0,34	1,5	plug angled / socket angled	24,8	-
671534	ROBOFLEX®-recycle 5 x 0,34	3,0	plug angled / socket angled	49,5	-
671536	ROBOFLEX®-recycle 5 x 0,34	5,0	plug angled / socket angled	82,5	-
671537	ROBOFLEX®-recycle 5 x 0,34	10,0	plug angled / socket angled	165,0	-

Dimensions and specifications may be changed without prior notice.