

ROBOFLEX®-recycle M8 pre-assembled on both ends



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
- 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, DIN EN 60332-1-2/IEC 60332-1
- Sheath colour black

Assembly (3-pin)

colour of cores brown, blue, black
AD 4,9 +/- 0,2mm

Assembly (4-pin)

colour of cores brown, blue, black, white
AD 5,2 +/- 0,2mm

Properties

- very good resistance to oil to 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.
IP67
A-coded

plug straight / socket angled with 2 LED

Part no.	Cable type / cross-sec. mm²	Length m	Plug type	Cop. weight kg / 1000 pcs.	
670849	ROBOFLEX®-recycle 3 x 0,34	1,0	plug straight / socket, angled with 2 LED	9,8	-
670850	ROBOFLEX®-recycle 3 x 0,34	1,5	plug straight / socket, angled with 2 LED	14,7	-
670851	ROBOFLEX®-recycle 3 x 0,34	3,0	plug straight / socket, angled with 2 LED	29,4	-
670852	ROBOFLEX®-recycle 3 x 0,34	5,0	plug straight / socket, angled with 2 LED	49,0	-
670853	ROBOFLEX®-recycle 3 x 0,34	10,0	plug straight / socket, angled with 2 LED	98,0	-
670861	ROBOFLEX®-recycle 4 x 0,34	1,0	plug straight / socket, angled with 2 LED	13,1	-
670862	ROBOFLEX®-recycle 4 x 0,34	1,5	plug straight / socket, angled with 2 LED	19,7	-
670863	ROBOFLEX®-recycle 4 x 0,34	3,0	plug straight / socket, angled with 2 LED	39,3	-
670864	ROBOFLEX®-recycle 4 x 0,34	5,0	plug straight / socket, angled with 2 LED	65,5	-
670865	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. mm²	Length m	Plug type	Cop. weight kg / 1000 pcs.	
671356	ROBOFLEX®-recycle 3 x 0,34	1,0	plug straight / socket straight	9,8	-
670822	ROBOFLEX®-recycle 3 x 0,34	1,5	plug straight / socket straight	14,7	-
670823	ROBOFLEX®-recycle 3 x 0,34	3,0	plug straight / socket straight	29,4	-
670824	ROBOFLEX®-recycle 3 x 0,34	5,0	plug straight / socket straight	49,0	-
670825	ROBOFLEX®-recycle 3 x 0,34	10,0	plug straight / socket straight	98,0	-
671351	ROBOFLEX®-recycle 4 x 0,34	1,0	plug straight / socket straight	13,1	-
670834	ROBOFLEX®-recycle 4 x 0,34	1,5	plug straight / socket straight	19,7	-
670835	ROBOFLEX®-recycle 4 x 0,34	3,0	plug straight / socket straight	39,3	-
670836	ROBOFLEX®-recycle 4 x 0,34	5,0	plug straight / socket straight	65,5	-
670837	ROBOFLEX®-recycle 4 x 0,34	10,0	plug straight / socket straight	131,0	-

Continuation ►

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plug straight / socket angled

Part no.	Cable type / cross-sec. mm²	Length m	Plug type	Cop. weight kg / 1000 pcs.	
671332	ROBOFLEX®-recycle 3 x 0,34	1,0	plug straight / socket angled	9,8	-
670826	ROBOFLEX®-recycle 3 x 0,34	1,5	plug straight / socket angled	14,7	-
670827	ROBOFLEX®-recycle 3 x 0,34	3,0	plug straight / socket angled	29,4	-
670828	ROBOFLEX®-recycle 3 x 0,34	5,0	plug straight / socket angled	49,0	-
670829	ROBOFLEX®-recycle 3 x 0,34	10,0	plug straight / socket angled	98,0	-
671333	ROBOFLEX®-recycle 4 x 0,34	1,0	plug straight / socket angled	13,1	-
670838	ROBOFLEX®-recycle 4 x 0,34	1,5	plug straight / socket angled	19,7	-
670839	ROBOFLEX®-recycle 4 x 0,34	3,0	plug straight / socket angled	39,3	-
670840	ROBOFLEX®-recycle 4 x 0,34	5,0	plug straight / socket angled	65,5	-
670841	ROBOFLEX®-recycle 4 x 0,34	10,0	plug straight / socket angled	131,0	-

plug angled / socket angled

Part no.	Cable type / cross-sec. mm²	Length m	Plug type	Cop. weight kg / 1000 pcs.	
671334	ROBOFLEX®-recycle 3 x 0,34	1,0	plug angled / socket angled	9,8	-
670830	ROBOFLEX®-recycle 3 x 0,34	1,5	plug angled / socket angled	14,7	-
670831	ROBOFLEX®-recycle 3 x 0,34	3,0	plug angled / socket angled	29,4	-
670832	ROBOFLEX®-recycle 3 x 0,34	5,0	plug angled / socket angled	49,0	-
670833	ROBOFLEX®-recycle 3 x 0,34	10,0	plug angled / socket angled	98,0	-
671335	ROBOFLEX®-recycle 4 x 0,34	1,0	plug angled / socket angled	13,1	-
670842	ROBOFLEX®-recycle 4 x 0,34	1,5	plug angled / socket angled	19,7	-
670843	ROBOFLEX®-recycle 4 x 0,34	3,0	plug angled / socket angled	39,3	-
670844	ROBOFLEX®-recycle 4 x 0,34	5,0	plug angled / socket angled	65,5	-
670845	ROBOFLEX®-recycle 4 x 0,34	10,0	plug angled / socket angled	131,0	-

Dimensions and specifications may be changed without prior notice.