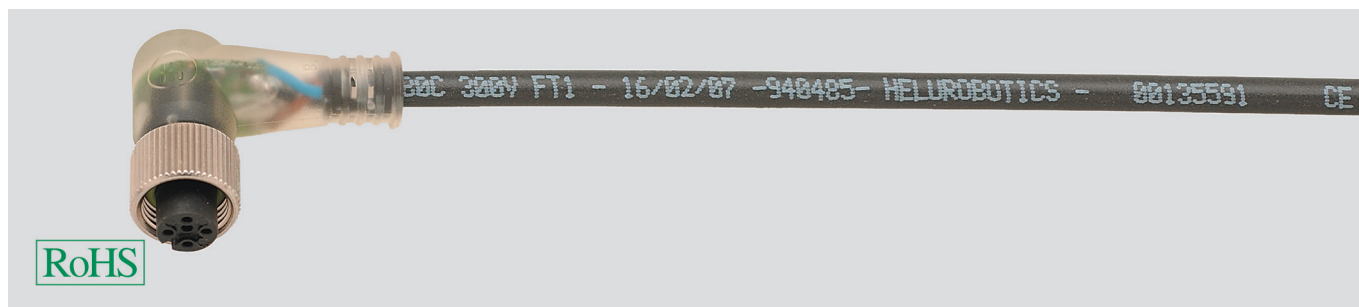


# ROBOFLEX®-recycle M12 femal one end pre-assembled 3-, 4- and 5-pin



## 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/s<sup>2</sup>
- **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, DIN EN 60332-1-2/ IEC 60332-1
  - Sheath colour: black
- Assembly (3-pin)**  
colour of 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 socket, angled, preassembled on one side, 5 pins. available on request.  
IP67  
A-coded

## socket with LED

| Part no. | Cable type / cross-sec. mm² | Length m | Plug type                  | Cop. weight kg / 1000 pcs. |   |
|----------|-----------------------------|----------|----------------------------|----------------------------|---|
| 670742   | ROBOFLEX®-recycle 3 x 0,34  | 1,5      | socket angled with 2 LED   | 14,7                       | - |
| 670743   | ROBOFLEX®-recycle 3 x 0,34  | 3,0      | socket angled with 2 LED   | 29,4                       | - |
| 670744   | ROBOFLEX®-recycle 3 x 0,34  | 5,0      | socket angled with 2 LED   | 49,0                       | - |
| 670745   | ROBOFLEX®-recycle 3 x 0,34  | 10,0     | socket angled with 2 LED   | 98,0                       | - |
| 670746   | ROBOFLEX®-recycle 4 x 0,34  | 1,5      | socket angled with 2 LED   | 19,7                       | - |
| 670747   | ROBOFLEX®-recycle 4 x 0,34  | 3,0      | socket angled with 2 LED   | 39,3                       | - |
| 670748   | ROBOFLEX®-recycle 4 x 0,34  | 5,0      | socket angled with 2 LED   | 65,5                       | - |
| 670749   | ROBOFLEX®-recycle 4 x 0,34  | 10,0     | socket angled with 2 LED   | 131,0                      | - |
| 671543   | ROBOFLEX®-recycle 3 x 0,34  | 1,0      | socket straight with 2 LED | 9,8                        | - |
| 671544   | ROBOFLEX®-recycle 3 x 0,34  | 1,5      | socket straight with 2 LED | 14,7                       | - |
| 671546   | ROBOFLEX®-recycle 3 x 0,34  | 3,0      | socket straight with 2 LED | 29,4                       | - |
| 671547   | ROBOFLEX®-recycle 3 x 0,34  | 5,0      | socket straight with 2 LED | 49,0                       | - |
| 671548   | ROBOFLEX®-recycle 3 x 0,34  | 10,0     | socket straight with 2 LED | 98,0                       | - |
| 671557   | ROBOFLEX®-recycle 4 x 0,34  | 1,0      | socket straight with 2 LED | 13,1                       | - |
| 671550   | ROBOFLEX®-recycle 4 x 0,34  | 1,5      | socket straight with 2 LED | 19,7                       | - |
| 671551   | ROBOFLEX®-recycle 4 x 0,34  | 3,0      | socket straight with 2 LED | 39,3                       | - |
| 671552   | ROBOFLEX®-recycle 4 x 0,34  | 5,0      | socket straight with 2 LED | 65,5                       | - |
| 671553   | ROBOFLEX®-recycle 4 x 0,34  | 10,0     | socket straight with 2 LED | 131,0                      | - |
| 671473   | ROBOFLEX®-recycle 5 x 0,34  | 1,0      | socket straight with 2 LED | 16,5                       | - |
| 671474   | ROBOFLEX®-recycle 5 x 0,34  | 1,5      | socket straight with 2 LED | 24,8                       | - |
| 671476   | ROBOFLEX®-recycle 5 x 0,34  | 3,0      | socket straight with 2 LED | 49,5                       | - |
| 671477   | ROBOFLEX®-recycle 5 x 0,34  | 5,0      | socket straight with 2 LED | 82,5                       | - |
| 671478   | ROBOFLEX®-recycle 5 x 0,34  | 10,0     | socket straight with 2 LED | 165,0                      | - |

Continuation ►

# ROBOFLEX®-recycle M12 femal one end pre-assembled 3-, 4- and 5-pin

## socket

| Part no. | Cable type /<br>cross-sec.<br>mm² | Length<br>m | Plug type       | Cop.<br>weight<br>kg / 1000 pcs. |   |
|----------|-----------------------------------|-------------|-----------------|----------------------------------|---|
| 670722   | ROBOFLEX®-recycle 3 x 0,34        | 1,5         | socket angled   | 14,7                             | - |
| 670723   | ROBOFLEX®-recycle 3 x 0,34        | 3,0         | socket angled   | 29,4                             | - |
| 670724   | ROBOFLEX®-recycle 3 x 0,34        | 5,0         | socket angled   | 49,0                             | - |
| 670725   | ROBOFLEX®-recycle 3 x 0,34        | 10,0        | socket angled   | 98,0                             | - |
| 670738   | ROBOFLEX®-recycle 4 x 0,34        | 1,5         | socket angled   | 19,7                             | - |
| 670739   | ROBOFLEX®-recycle 4 x 0,34        | 3,0         | socket angled   | 39,3                             | - |
| 670740   | ROBOFLEX®-recycle 4 x 0,34        | 5,0         | socket angled   | 65,5                             | - |
| 670741   | ROBOFLEX®-recycle 4 x 0,34        | 10,0        | socket angled   | 131,0                            | - |
| 671438   | ROBOFLEX®-recycle 5 x 0,34        | 1,5         | socket angled   | 24,8                             | - |
| 671439   | ROBOFLEX®-recycle 5 x 0,34        | 3,0         | socket angled   | 49,5                             | - |
| 671440   | ROBOFLEX®-recycle 5 x 0,34        | 5,0         | socket angled   | 82,5                             | - |
| 671441   | ROBOFLEX®-recycle 5 x 0,34        | 10,0        | socket angled   | 165,0                            | - |
| 670718   | ROBOFLEX®-recycle 3 x 0,34        | 1,5         | socket straight | 14,7                             | - |
| 670719   | ROBOFLEX®-recycle 3 x 0,34        | 3,0         | socket straight | 29,4                             | - |
| 670720   | ROBOFLEX®-recycle 3 x 0,34        | 5,0         | socket straight | 49,0                             | - |
| 670721   | ROBOFLEX®-recycle 3 x 0,34        | 5,0         | socket straight | 49,0                             | - |
| 670734   | ROBOFLEX®-recycle 4 x 0,34        | 1,5         | socket straight | 19,7                             | - |
| 670735   | ROBOFLEX®-recycle 4 x 0,34        | 3,0         | socket straight | 39,3                             | - |
| 670736   | ROBOFLEX®-recycle 4 x 0,34        | 5,0         | socket straight | 65,5                             | - |
| 670737   | ROBOFLEX®-recycle 4 x 0,34        | 10,0        | socket straight | 131,0                            | - |
| 671434   | ROBOFLEX®-recycle 5 x 0,34        | 1,5         | socket straight | 24,8                             | - |
| 671435   | ROBOFLEX®-recycle 5 x 0,34        | 3,0         | socket straight | 49,5                             | - |
| 671436   | ROBOFLEX®-recycle 5 x 0,34        | 5,0         | socket straight | 82,5                             | - |
| 671437   | ROBOFLEX®-recycle 5 x 0,34        | 10,0        | socket straight | 165,0                            | - |

Dimensions and specifications may be changed without prior notice.