

# ROBOFLEX®-recycle Twin cables M12 to M12



## 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

### Assembly (3-pin)

- 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
- Outer diameter 4.9 +/-0.2 mm

### Assembly (4-pin)

- Bare copper litz wire, 42 x 0.10 mm
- Core insulation polyester, black, brown, white, blue
- 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
- Outer diameter 5,2 +/-0.2 mm

## 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

\* Twin cables with sensor cable ROBOFLEX® recycle M12 to M8 and other configurations and lengths - available on request.

Dimensions and specifications may be changed without prior notice.