

ROBOFLEX recycle

Technical data

- Approval: UL/cUL approved
- Manufacture based on VDE
- Temperature range:
fixed installation: -40 °C to +120 °C
flexible: -30 °C to +120 °C
- Nominal voltage: 300 V
- Test voltage: 2000 V
- Minimum bending radius:
approx. 7.5 cable diameters
(for flexible application)
- 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

Structure

- Bare copper stranded wire, 42 x 0.10 mm
- Core insulation polyester, bk, bu, bn
- Cores stranded in layers
- Sheath, special mix
- Weld spatter resistant, matt, low-adhesion,
flame retardant and self-extinguishing (acc. to
VDE 0472 Part 804 test type B, IEC 60332-1)
- Sheath colour: black
- Design (3-pin)**
Wire colours bn, bu, bk
OD 5.2 +/- 0.2 mm
- Design (4-pin)**
Wire colours bn, bu, bk, wh
OD 5.5 +/- 0.2 mm
- Design (5-pin)**
Wire colours bn, bu, bk, wh, gy
OD 6.0 +/- 0.2 mm

Properties

- Highly oil resistant
- In accordance with VDE 0473 Part 811-2-1
- Good resistance to acids, alkalis and solvents
- Not cross-linked
- Weld spatter resistant
- Recyclable
- Halogen-free
- Silicone and cadmium-free
- Free of substances harmful to paint adhesion
- Very high mechanical load capacity
- Abrasion-resistant
- Wear-resistant
- Highly flexible
- UV-resistant
- ROHS-compliant
- CE-compliant



For more information, refer to www.robotec-systems.de/roboflex

Notes

- IP67
- A-coded

ROBOFLEX recycle

Pre-assembled special cables

ROBOFLEX recycle	M12 socket pre-assembled on one side 3-pin, 4-pin and 5-pin
ROBOFLEX recycle	M12 4-pin + PE pre-assembled on one side
ROBOFLEX recycle	M12 pre-assembled on both sides 3-pin, 4-pin and 5-pin
ROBOFLEX recycle	M12 4-pin + PE pre-assembled on both sides
ROBOFLEX recycle	M12 plug pre-assembled on one side 3-pin, 4-pin and 5-pin
ROBOFLEX recycle	M8 socket pre-assembled on one side 3-pin and 4-pin
ROBOFLEX recycle	M8 pre-assembled on both sides 3-pin and 4-pin
ROBOFLEX recycle	M8 plug pre-assembled on one side 3-pin and 4-pin
ROBOFLEX recycle	M12 shielded pre-assembled on one side 3-pin, 4-pin and 5-pin
ROBOFLEX recycle	M12 shielded pre-assembled on both sides 3-pin, 4-pin and 5-pin
ROBOFLEX recycle	M12 on M12 twin cables pre-assembled on one side 3-pin
ROBOFLEX recycle	M12 on M12 twin cables pre-assembled on both sides 3-pin
ROBOFLEX recycle	3x0.34 mm ² , 4x0.34 mm ² , 5x0.34 mm ² shielded and unshielded per metre length

Dimensions and specifications may be changed without prior notice.