

ROBOFLEX®-recycle M12 plug straight or angled, pre-assembled on one end, 3-pin, 4-pin 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/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, 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

Assembly (5-pin)

colour of cores brown, blue, black, white, grey

AD 5,5 +/- 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

IP67
A-coded

Part no.	Cable type / cross-sec. mm ²	Length m	Plug type	Cop. weight kg / 1000 pcs.	
670710	ROBOFLEX®-recycle 3 x 0,34	1,5	plug, straight	14,7	-
670711	ROBOFLEX®-recycle 3 x 0,34	3,0	plug, straight	29,4	-
670712	ROBOFLEX®-recycle 3 x 0,34	5,0	plug, straight	49,0	-
670713	ROBOFLEX®-recycle 3 x 0,34	10,0	plug, straight	98,0	-
670714	ROBOFLEX®-recycle 3 x 0,34	1,5	plug, angled	14,7	-
670715	ROBOFLEX®-recycle 3 x 0,34	3,0	plug, angled	29,4	-
670716	ROBOFLEX®-recycle 3 x 0,34	5,0	plug, angled	49,0	-
670717	ROBOFLEX®-recycle 3 x 0,34	10,0	plug, angled	98,0	-
670726	ROBOFLEX®-recycle 4 x 0,34	1,5	plug, straight	19,7	-
670727	ROBOFLEX®-recycle 4 x 0,34	3,0	plug, straight	39,3	-
670728	ROBOFLEX®-recycle 4 x 0,34	5,0	plug, straight	65,5	-
670729	ROBOFLEX®-recycle 4 x 0,34	10,0	plug, straight	131,0	-
670730	ROBOFLEX®-recycle 4 x 0,34	1,5	plug, angled	19,7	-
670731	ROBOFLEX®-recycle 4 x 0,34	3,0	plug, angled	39,3	-
670732	ROBOFLEX®-recycle 4 x 0,34	5,0	plug, angled	65,5	-
670733	ROBOFLEX®-recycle 4 x 0,34	10,0	plug, angled	131,0	-
671426	ROBOFLEX®-recycle 5 x 0,34	1,5	plug, straight	24,8	-
671427	ROBOFLEX®-recycle 5 x 0,34	3,0	plug, straight	49,5	-
671428	ROBOFLEX®-recycle 5 x 0,34	5,0	plug, straight	82,5	-
671429	ROBOFLEX®-recycle 5 x 0,34	10,0	plug, straight	165,0	-
671430	ROBOFLEX®-recycle 5 x 0,34	1,5	plug, angled	24,8	-
671431	ROBOFLEX®-recycle 5 x 0,34	3,0	plug, angled	49,5	-
671432	ROBOFLEX®-recycle 5 x 0,34	5,0	plug, angled	82,5	-
671433	ROBOFLEX®-recycle 5 x 0,34	10,0	plug, angled	165,0	-

Dimensions and specifications may be changed without prior notice.