

BO-SPIRAL ELEC Li12Y11Y

Unscreened, PUR spiral cables, halogen free



Image for illustration only

Conductor:	plain copper according to VDE 0295 0,14 mm ² (18x0,10 mm) / 0,25 mm ² (14x0,15 mm) 0,50 mm ² (28x0,15 mm)
Insulation:	TPE
Colour Code:	according to DIN 47100
Core arrangement:	cores twisted around in concentric layers, twisted with special length of lay
Wrapping:	At least 1 layer of plastic tape 0,023 mm + interstitial Fillers (IEC/EN 60079-14)
Collective Screen:	0,026 mm Aluminium / PETP tape over tinned copper drain wire
Outer Sheath:	PUR 11YM1
Cable Printing:	black, shiny, other colours on request, without imprint
Technical Data & Standard References	Spiral length: up to 3.000 mm Extended length: up to 4 times spiral length Straight ends: standard ends 200 / 200 mm straight ends are available up to 25 meters standard: axial ends, other solutions upon request Oil resistance: according to DIN EN 60811-404 Halogen free: the used basic materials are halogen free Silicone free: the used basic materials are silicone free
	- production is possible from 1 piece - microbe-proof as far as possible - resistant against oils and acids as far as possible - UV resistant as far as possible - abrasion-proof - flexible at lower temperatures
Electrical & Mechanical Data	Maximum temperature: - 30 °C up to + 80 °C Nominal voltage: 300 V Test voltage: core/core 0,14 / 0,25 mm ² 1.200 V core/core 0,34 / 0,50 mm ² 1.500 V Conductor resistance: according to VDE 0295 class 5 or 6 Insulation resistance: > 20 MOhm x km

Application: The spiral cables are suitable for electronic applications (e. g. medical equipment, measuring instruments, car industry). Because of the polyurethane outer sheath and Semocore core insulation a high reset power and a long service life can be achieved, even for spiral cables of 0,14–0,50 mm².

Options: Special designs up to 3.000 mm as maximum block length would be possible! The indicated outer spiral diameters are estimated values which can be changed during movement. Other outer diameters would be possible on request.