

BO-FLEX 110 BK

PVC control cable, VDE registered, oil resistant, flexible and UV-resistant for various applications, 300/500V, also for YSLY or YY



Image for illustration only

Conductor:	Fine wire according to DIN EN 60228 (VDE 0295), class 5 / IEC 60228 class 5
Insulation:	PVC
Colour Code:	Black with white numbers
Outer Sheath:	PVC, black (RAL 9005)
Cable Printing:	- standard
Technical Data & Standard References	Advantage Suitable for outdoor applications Wide choice of standardized lengths and individual cuts
	Product features Flame-retardant according IEC 60332-1-2 Good chemical resistance, see catalogue appendix T1 Oil-resistant according to DIN EN 50290-2-22 (TM54) UV and weather-resistant according to ISO 4892-2
	Norm references / Approvals: VDE reg. no. 7030 for the following sizes: up to 2.5 mm ² : 2 - 65 cores from 4 mm ² : 2 - 7 cores from 25 mm ² : 2 - 5 cores
	Technical Data: Nominal Voltage: U0/U: 300/500 V Test Voltage: 4000 V Torsion movement in WTG: TW-0 & TW-1, refer to Appendix T0 Minimum bending radius: Occasional flexing: 10 x outer diameter In power chains: 15 x outer diameter Fixed installation: 4 x outer diameter Temperature range: Occasional flexing: -15°C to +70°C In power chains: -5°C to +70°C Fixed installation: -40°C to +80°C

TECHNICAL DATA AND PRODUCT FEATURES

	TEMPERATURE RANGE Occasional flexing: -15°C to +70°C In power chains: -5°C to +70°C Fixed installation: -40°C to +80°C
	WORKING VOLTAGE U0/U: 300/500 V
	TEST VOLTAGE 4000 V
	UV RESISTANCE Yes
	OIL RESISTANCE Yes
	BENDING RADIUS Occasional flexing: 10 x outer diameter In power chains: 15 x outer diameter Fixed installation: 4 x outer diameter

Application: For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load Dry or damp rooms that are subject to medium mechanical loads Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG) In power chains for a travelling distance up to 5 m and 0,2 ... 1 million bending cycles, for following dimensions: 0,5 to 2.5mm² and 2 to 7 conductors Suitable for outdoor applications