

BO-POWER ROBOTS PUR 1000V

Multi-core cables with low-capacity insulation and polyurethane sheath for torsional applications in the presence of oils with high abrasion resistance

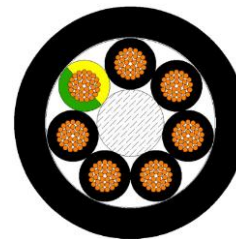


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Conductor:	Bare copper according to VDE 0295 - IEC 60228 cl.6
Insulation:	Polypropylene compound
Colour Code:	Black with white numbers + G/Y
Wrapping:	Conductors cabled together in layer construction, fillers admitted Taping: Teflon PTFE foil
Screen:	Tinned copper spiral, optical coverage approx 90% Taping: Non woven tape
Outer Sheath:	Polyurethane compound Colour: Black, RAL 9005 (or to be agreed)
Cable Printing:	- Standard
Technical Data & Standard References	Temperatur Range: -30°C +80°C (Flexible application) -40°C +80°C (Fixed installation)
	Working Voltage: 1000V Test Voltage: 4000V Insutlation Resistance: At 20°C > 1 GΩ Km Conductor Resistance: Max at 20°C in accordance with IEC 60228 and VDE 0812 Halogen Free: IEC 60754-1 Flame Resistance: IEC 60332-1-2, UL 1581 VW-1, CSA FT1 Oil Resistance: VDE 0473-811-404, UL 1581, IEC 60811-404 Abrasion Resistance: ASTM D 4060 Water Resistance: EN 60811-1-1-3 Mud Resistance: NEK 606 Microbe Resistance: VDE 0282/10 Ozone Resistance: EN 50396 Art. 8.1.3 UV Resistance: Yes Aprovals: UL STYLE 2570
	Bending Radius: 7,5 X D (Flexible application) - 4 X D (Fixed installation)

Torsion Stress: +/- 360°/m

TECHNICAL DATA AND PRODUCT FEATURES

	TEMPERATURE RANGE -30°C +80°C (Flexible application) -40°C +80°C (Fixed installation)
	WORKING VOLTAGE 300 V
	TEST VOLTAGE 2000 V
	INSULATION RESISTANCE At 20°C > 1 GΩ Km
	CONDUCTOR RESISTANCE Max at 20°C in accordance with IEC 60228 and VDE 0812
	HALOGEN FREE IEC 60754-1
	FLAME RESISTANCE IEC 60332-1-2, UL 1581, CSA FT1
	OIL RESISTANCE VDE 0473-811-404, UL 1581, IEC 60811-404
	UV RESISTANCE Yes
	ABRASION RESISTANCE ASTM D 4060
	WATER RESISTANCE EN 60811-1-3
	MUD RESISTANCE NEK 606

	MICROBE RESISTANCE VDE 0282/10
	OZONE RESISTANCE EN 50396 Art. 8.1.3
	APPROVALS UL STYLE 20233 – 20549
	BENDING RADIUS 7,5 X D (Flexible application) - 4 X D (Fixed installation)

Application: Multi-core shielded cables with low-capacity insulation and polyurethane sheath for torsional applications in the presence of oils with high abrasion resistance.