

## Feedback cables PUR

Feedback cables PUR high flexible feedback cables for drag chain, EMC-preferred type, meter marking



Technical data	Cable structure	Properties
Temperature range flexing -30°C to +80°C fixed installation -40°C to +80°C Nominal voltage TOPFLEX®-PUR 350 V Tachofeedback-cable-C-PUR 450 V Incremental Feedback-cable-C-PUR 250 V Test voltage core/core 2000 V core/screen 1000 V Insulation resistance min. 20 MOhm x km Minimum bending radius flexing 10x cable Ø fixed installation 5x cable Ø Coupling resistance max. 250 Ohm/km Radiation resistance up to 100x10°c J/kg (up to 100Mrad)	Bare copper-conductor, to DIN VDE 0295 cl. 6, extra 18 S 6360 cl. 6 IEC 60228 cl. Core insulation of PP Part No. 22847 Cu-screen pairs or single cores and for (polyethylene terephthals Core identification see tall Single cores or pairs strans with optimal lay-length Drain wire Core wrapping with film Tinned copper braided scapprox. 85% coverage Outer sheath of special Pt Sheath colour see table be	fine-wire, . 6  Resistant to Oils and fats Acids and alkalis Hydraulic fluids Oxygen and ozone PETP UV-radiation Hydrolysis Microbial attack Water and weathering effects The high abrasion resistance and notch resistance meet the highest requirements The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers  Note  For extreme applications extending beyond
Application		values. The actual cross-section is in mm <sup>2</sup> .

Both cables fulfil different tasks for the control of servo-motors. The tachofeedback-cable or response cable serves the regulation of the motor speed and measurement of the actual values. The incremental feedback-cable or position response cable transfers the control signals for positioning and engineering characteristics and is used as the flexible connecting cable for tachometer, brakes and pulse transmitter in case of high mechanical stress in plant, machine and control engineering in dry, moist and wet rooms. Particularly suitable for continuous operating in drag chains, industrial robotics and handling equipment as these cables enable an excellent transmission of data and signals. Additional cores for the power supply to individual components are available. The braided screen guarantees reliable signal transmission. Optimum functionality, long service life and an excellent cost-performance ratio are given for the mentioned applications by the special compounds used for insulation and sheath. EMC = Electromagnetic compatibillity

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

C € = The product is conformed with the EC Low-Voltage Directive 2006/95/ECs and alkalis

## **TOPFLEX®-PUR**

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P	Part No.	No. cores x cross-sec. mm <sup>2</sup>	Core marking 0,14 mm <sup>2</sup>	Core marking 0,5 mm <sup>2</sup>	Sheath colour	Outer Ø approx. mm	Cop. weight kg/km	Weight approx. kg/km	AWG-No.	
2	2847	$(3 \times (2 \times 0,14) + (2 \times 0,5))$	DIN 47100	WH, BN	Grey	8,3	78,0	103,0	26	
2	2852	$4 \times 2 \times 0,14 + 4 \times 0,5$	BN+GN, YE+VT, GY+PK, RD+BU	WH, BN, WH/GN, BN/GN	Grey	8,4	73,0	105,0	26	
2	2849	$(10 \times 0.14 + 2 \times 0.5)$	DIN 47100	WH, BN	Grey	7,2	39,0	83,0	26	
	Tachof	eedback-cable								
	Part No.	No. cores x cross-sec. mm <sup>2</sup>	Core marking 0,14 mm <sup>2</sup>	Core marking 0,5 mm <sup>2</sup>	Sheath colour	Outer Ø approx. mm	Cop. weight kg/km	Weight approx. kg/km	AWG-No.	
-	22823	(9 x 0,5)	WH, BN, GN, YE, GY, PK, BU, RD,	BK	Orange	8,8	80,8	128,0	20	
I	Increm	nental feedback-cable								
	Part No.	No. cores x cross-sec. mm <sup>2</sup>	Core marking 0,14 mm <sup>2</sup>	Core marking 0,5 mm <sup>2</sup>	Sheath colour	Outer Ø approx. mm	Cop. weight kg/km	Weight approx. kg/km	AWG-No.	
	22818	$(4 \times 2 \times 0.25 + 2 \times 1.0)$	RD+BK, BN+GN, YE+VT, GN+PK	WH, BN	Ogrange	8,8	65,0	105,0	24	

