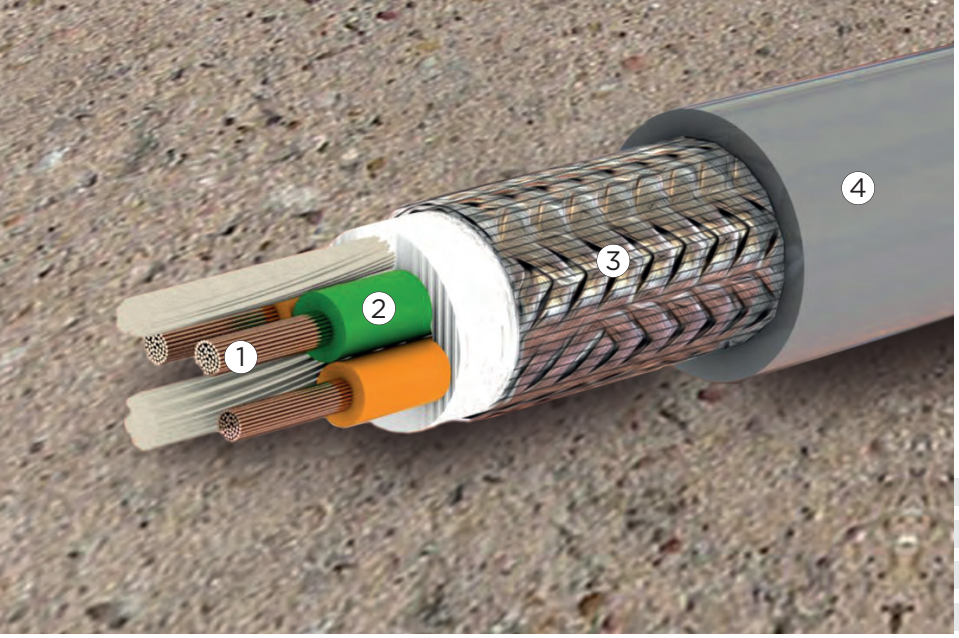
ROBOTFLEX ‘TP–CY’ TPE/PUR

Twisted pairs with overall screen PUR cable for cable drag chains

Application
Robotflex TP–CY PUR cables are specially designed for use in cable chains, other continuously moving machines and also on robots. The polyurethane outer sheath allows a very small outer diameter. The cable is also resistant to abrasion and able to withstand high mechanical stresses

Construction	
Conductor :	Fine stranded plain copper according to VDE 0295 Class 6
Insulation:	Polypropylene
Core colour :	According To DIN 47100
Core Arrangement :	Cores paired & stranded pairs twisted around with defined length of lay
Wrapping :	Foil
Shield :	Tinned copper braid, coverage minimum 85%
Wrapping :	Fleece
Sheath :	PUR – acc. To VDE 0282
Sheath colour :	Grey RAL 7001
Imprint :	Roboschlepp Special ‘C’ 300/500V
Working Environment	
Maximum operating temperature in fixed application :	–25 deg C – + 90 deg C
Maximum operating temperature in mobile application :	–40 deg C – + 90 deg C
Maximum temperature at conductor :	+90 deg C
Environment :	suitable for use in dry, humid & wet room areas
Electrical properties	
Nominal voltage :	500 V
Test Voltage :	3000 V
Conductor Resistance :	Max 39 Ohms/km
Insulation Resistance :	> 20 Ohm x km
Additional information	
Minimum bending radius :	Mobile application – 10 x cable thickness
Oil resistance :	Acc. To VDE 0472 part 803 1 & VDE 0473 part 811 2–1
Flame resistance :	Self extinguishing & flame retardant acc. To IEC 60332–2–2
Applied Standards	Similar to DIN VDE 0250

We reserve the right to amend all technical details without prior notification



SIMBAL

1. Copper conductor
2. Polypropylene insulation
3. Tinned copper screen
4. PUR outer sheath

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Part No	Cross Section mm2	Current Rating @ 30 Deg	CU Number kg/km	Outer Diameter approx. (mm)	Weight kg/km
08093 0050 04(2x2)CY	2 x 2 x 0.5		46.0	8.0	80
08093 0050 06(3x2)CY	3 x 2 x 0.5		57.0	8.6	95
08093 0050 08(4x2)CY	4 x 2 x 0.5		71.0	9.8	121
08093 0050 10(5x2)CY	5 x 2 x 0.5		84.0	10.8	144
08093 0050 12(6x2)CY	6 x 2 x 0.5		98.0	11.6	168
08093 0050 16(8x2)CY	8 x 2 x 0.5		124.0	13.1	216
08093 0050 20(10x2)CY	10 x 2 x 0.5		150.0	14.8	270
08093 0050 24(12x2)CY	12 x 2 x 0.5		169.0	15.0	279
08093 0050 28(14x2)CY	14 x 2 x 0.5		192.0	15.8	307

* Non stock size – MOQ 1000m

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