

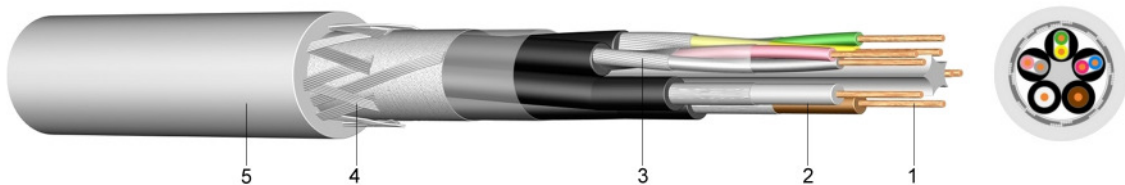
Datasheet SL 803 C

Version 1/2009

Incremental Transmission Cable with PUR Outer Sheath

Application:

These cables are used as highly flexible connection cables in speedometers, brakes and pulse generators in machine and plant engineering. Moreover, they are well suited for flexible use in industrial robots and cable chains for extreme mechanical stress, also in dry, damp and wet locations as well as at low temperatures. These two types show different characteristics in relation to the steering of servo-motors. The motor feedback cable is used to regulate motor speed and indicate actual values. The incremental transmission cable controls positioning and processing.



Construction:

- 1 very fine-stranded bare copper
- 2 core insulation of polypropylene (PP)
- 3 banding of plastic-concealed Al-foil and braided shield
- 4 screen of tinned copper braiding
- 5 outer sheath of polyurethane (PUR), grey, oil and abrasion resistant

According to:

adapted to DIN VDE 0281
DIN EN 60228 class 6 (construction)
adapted to DIN 47100 (core identification)

Technical data:

Nominal voltage U ₀ /U		[V]	250 Volt
Test voltage		[V] _{AC}	2000
Temperature range	in motion		-30 °C till +80 °C
Operating temperature	short circuit	°C	150
Short circuit time	max.	[sec]	5
Bending radius	min.	x diameter	7,5
Oil-resistant	standard		EN 60811-2-1
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure kg/km	Wire diameter mm	Overall diameter appr. mm	Weight appr. kg / km
4 x 2 x 0,25 + 2x1	75	0,16/0,11	8,8	134
4 x 2 x 0,14 + 4x0,5	58	0,16/0,11	8,2	109
4 x 2 x 0,38 + 4x0,5	82	0,16/0,11	8,6	203
10 x 0,14 + 2 x 0,5	48	0,16/0,11	8,0	70
10 x 0,14 + 4 x 0,5	60	0,16/0,11	8,0	85
15 x 0,14 + 4x0,5	68	0,16/0,11	8,8	127
3 x (2 x 0,14C)+2x1	84	0,16/0,11	8,4	108
3 x 2 x 0,14C+2x(0,5C)	91	0,16/0,11	8,3	100