

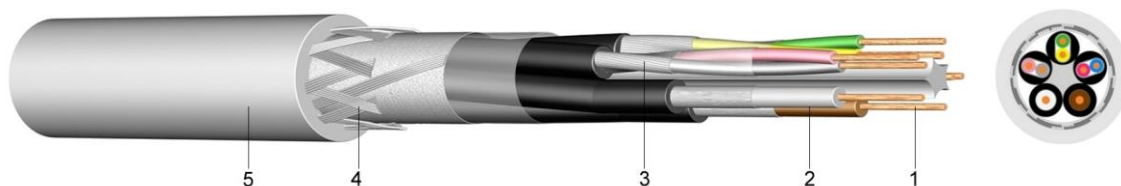


SL 803 C

Incremental Transmission Cable with Copper Screening and 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, UV-resistant

Standards:

in according with DIN VDE 0285-525-1
 DIN EN 60228 class 6 (construction)
 in according with 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	150°C
Short circuit time	max.	5 [sec]
Bending radius	min.	7,5 x diameter
Oil-resistant	standard	EN 60811-2-1
Flammability	standard	EN 60332-1-2

Number of cores and nominal cross section mm ²	from stock	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