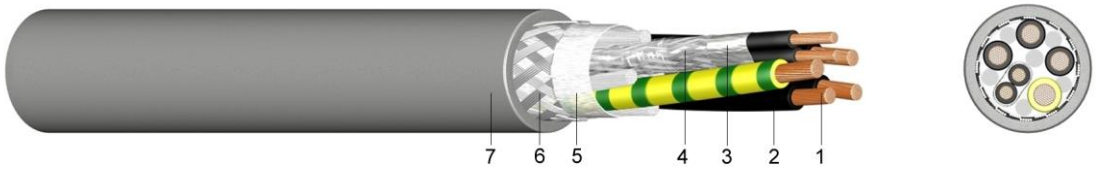
SL 801 C Combined Composite Connection Cable with PUR Outer Sheath and Copper Braiding

Application:

This cable is well suited for flexible use in industries such as industrial robots, cable chains or machine and plant engineering. It is used for high mechanical stress in dry, damp and wet locations as well as at low temperatures as a connection cable for the power supply and as a signal and data cable for the steering and control of motors.



Construction:

1 ..... very fine-stranded bare copper
2 ..... core insulation of polypropylene (PP)
3 ..... pair wise shielding of aluminium foil
4 ..... pair wise shielding of copper braiding
5 ..... wrapping of fine cotton binding
6 ..... screen of tinned copper braiding
7 ..... 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)

Technical data:

Nominal voltage Uo/U		[V]	600 / 1000 Volt
Test voltage		$[V]_{AC}$	4000
Temperature range	in motion		-30°C till +80°C
Operating temperature	short circuit	°C	150°C
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 mm²	from stock	Copper figure kg/km	Wire diameter mm	Overall diameter appr. mm	Weight appr. kg / km
4 x 0,75 + 2 x (2x0,34)	○	126	0,16/0,11	11,0	171
4 x 1,50 + 2 x (2x0,75)	●	194	0,16/0,11	12,1	370
4 x 2,50 + 2 x (2x0,75)	●	235	0,16/0,11	15,3	312
4 x 4,00 + 2 x (2x1)	○	344	0,21/0,16	17,3	445
4 x 6,00 + 2 x (2x1)	○	451	0,21/0,16	19,3	589
4 x 10,00 + 2 x (2x1)	○	624	0,21/0,16	23,4	804
4 x 16,00 + 2 x (2x1)	○	904	0,21/0,16	27,0	1.134
4 x 25,00 + 2 x (2x1,5)	○	1.307	0,21/0,16	29,2	1.782
4 x 35,00 + 2 x (2x1,5)	○	1.748	0,21/0,16	32,4	2.570

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