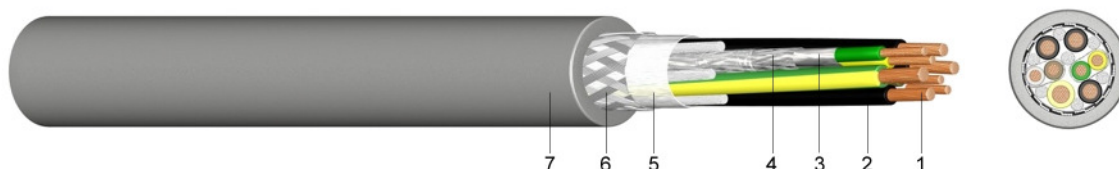


Datasheet
SL 806 C

Version 1/2009

Combined Composite Connection Cable
with PVC Outer Sheath
Application:

This cable is well suited for flexible use in machine and plant engineering. It is used for medium level mechanical stress in dry, damp and wet locations. It serves 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 polyvinylchloride (PVC)
- 3 pair wise screened with aluminium foil
- 4 paarweise screened with tinned copper drain wire
- 5 wrapping of fine cotton binding
- 6 screen of tinned copper braiding
- 7 outer sheath of polyvinylchloride (PVC)

According to:

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

Technical data:

Nominal voltage U ₀ /U	Powerwire	[V]	600 / 1000 Volt
	Controllwire	[V]	300 / 500 Volt
Test voltage	Powerwire	[V] _{AC}	4000
	Controllwire	[V] _{AC}	2000
Temperature range	in motion		+5 °C till +70 °C
Operating temperature	short circuit	°C	150
Short circuit time	max.	[sec]	5
Bending radius	min.	x diameter	7,5
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 0,75 + 2 x (2x0,34)	131	0,16	11,5	171
4 x 1,50 + 2 x (2x0,75)	187	0,16	13,8	256
4 x 2,50 + 2 x (2x0,75)	240	0,16	16,2	394
4 x 10,00 + 2 x (2x1)	625	0,21	23,5	854
4 x 16,00 + 2 x (2x1)	902	0,21	26,5	1.152
4 x 25,00 + 2 x (2x1,5)	1.310	0,21	30,0	1.672
4 x 35,00 + 2 x (2x1,5)	1.748	0,21	34,2	2.116