

Datasheet

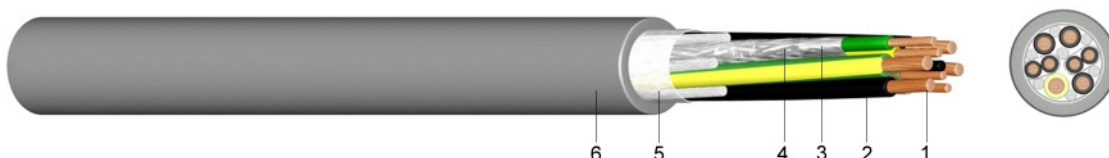
Version 1/2009

SL 805

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 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 pair wise shielding of aluminium foil
- 4 pair wise shielding of tinned copper braiding
- 5 wrapping of fine cotton
- 6 outer sheath of polyvinylchloride (PVC)

According to:

adapted to DIN VDE 0281
DIN VDE 0295 class 5 (construction)

Technical data:

Nominal voltage U ₀ /U		[V]	600 / 1000 Volt
Test voltage		[V] _{AC}	4000
Temperature range	in motion		- 5 °C till +70 °C
	fixed		-30 °C till +80 °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 + 2x(2x0,34)	72	0,16	10,6	126
4 x 1,50 + 2x(2x0,75)	126	0,16	12,7	194
4 x 2,50 + 2x(2x0,75)	166	0,16	14,9	318
4 x 4,00 + (2x0,75)+(2x1)	233	0,16	16,6	414
4 x 6,00 + (2x0,75)+(2x1)	312	0,21	18,7	551
4 x 10,00 + (2x0,75)+(2x1)	472	0,21	22,4	822
4 x 16,00 + 2x(2x1)	717	0,21	25,9	1.127
4 x 25,00 + 2x(2x1)	1.104	0,21	29,5	1.632
4 x 35,00 + 2x(2x1,5)	1.504	0,21	33,2	2.058