

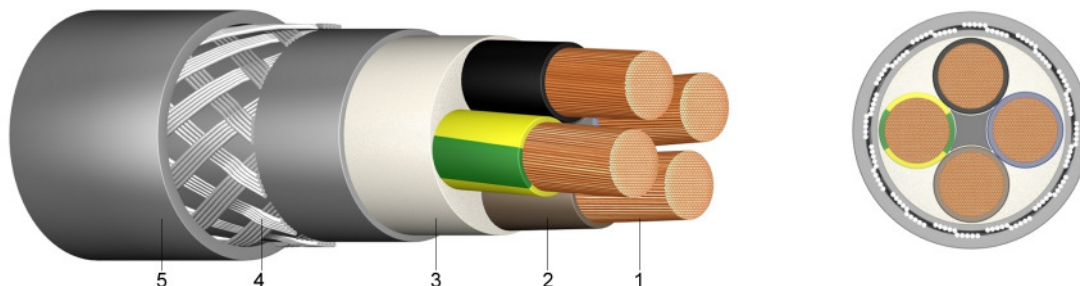
Datasheet

Version 1/2009

SLCM 0,6/1 kV PVC Composite Connection Cable with Copper Braiding

Application:

These connection cables are well suited for fixed installations and for flexible use e.g. in machine and plant engineering for medium-level mechanical stress in dry, damp and wet locations. With the copper braiding electrical and magnetic interferences exerted on other cables and wires or adjacent electric components are effectively suppressed. They are especially suitable as supply cables between frequency converters and servomotors.



Construction:

- 1 fine-stranded bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 inner sheath of polyvinylchloride (PVC)
- 4 screen of tinned copper braiding
- 5 outer sheath of polyvinylchloride (PVC), grey, increased oil resistant

According to:

adapted to DIN EN 60228 class 5 (construction)
 HD 308 S2 (core identification)
 core identification: 1 core green/yellow, other cores black with figures

Technical data:

Nominal voltage U_0/U		[V]	600 / 1000 Volt
Test voltage at 50 Hz	core / core	[V] _{AC}	4000
	core / screen	[V] _{AC}	4000
Temperature range	in motion		+5 °C till +70 °C
	fixed		-30 °C till +70 °C
Bending radius	one time / fixed	x diameter	7,5
Bending radius	in motion	x diameter	15,0
Flammability	standard		EN 60332-1-2

Number of core and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter mm	Weight appr. kg / km
4 x 1,5	101	30 x 0,26	12,7	240
4 x 2,5	158	48 x 0,26	14,5	335
4 x 4	258	56 x 0,31	16,1	440
4 x 6	345	84 x 0,31	17,4	553
4 x 10	554	80 x 0,41	20,9	830
4 x 16	821	128 x 0,41	23,3	1.136
4 x 25	1.285	200 x 0,41	28,2	1.696
4 x 35	1.752	280 x 0,41	31,4	2.204
4 x 50 *	2.475	400 x 0,41	36,8	3.074
4 x 70 *	3.324	350 x 0,51	42,3	4.169
4 x 95 *	4.489	485 x 0,51	47,0	5.600

* with coloured cores according to HD 308 S2