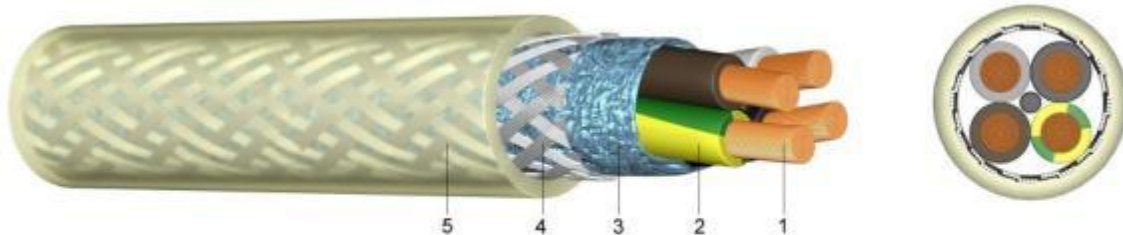


**PVC Composite Connection Cable  
with Copper Braiding, EMV Standardised**

**Application:**

These composite connection cables are produced according to the European EMV Guidelines and are particularly suitable for plants and facilities with appliances and electrical equipment of which electromagnetic interference fields could have an undue influence on the surroundings. These connection cables are well suited for fixed installations and for flexible use in motive power engineering with frequency converting technology (e.g. machine and plant engineering) for medium-level mechanical loads in dry, humid and wet locations.



**Construction:**

- 1 ..... fine-stranded bare copper
- 2 ..... core insulation of polyethylene (PE)
- 3 ..... layer of foil
- 4 ..... static screen of aluminium foil
- 5 ..... concentric screen of tinned copper wires
- 6 ..... outer sheath of polyvinylchloride (PVC), transparent

**According to:**

- DIN VDE 0281
- DIN EN 60228 class 5 (construction)
- HD 308 S2 (core identification)
- DIN VDE 0207
- EN 55011

**Technical data:**

Nominal voltage U <sub>0</sub> /U		[V]	600 / 1000 Volt
Test voltage at 50 Hz	core / core	[V] <sub>ac</sub>	4000
	core / screen	[V] <sub>ac</sub>	4000
Temperature range	in motion		- 5°C till +70°C
	fixed		-30°C till +70°C
Operating temperature	short circuit	°C	160
Short circuit time	max.	[sec]	5
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 cores and nominal cross section mm <sup>2</sup>	Copper figure kg/km	Wire diameter mm	Overall diameter mm	Weight appr. kg / km
4 x 1,5	94	0,26	11,4	170
4 x 2,5	156	0,26	13,0	235
4 x 4	224	0,31	14,7	320
4 x 6	302	0,31	16,7	425
4 x 10	490	0,41	20,9	665
4 x 16	740	0,41	23,7	970
4 x 25	1.063	0,41	28,3	1.400

<b>Number of cores and nominal cross section mm<sup>2</sup></b>	<b>Copper figure kg/km</b>	<b>Wire diameter mm</b>	<b>Overall diameter mm</b>	<b>Weight appr. kg / km</b>
4 x 35	1.563	0,41	32,1	1.890
4 x 50	2.188	0,41	38,7	2.700
4 x 70	3.329	0,51	43,2	3.480
4 x 120	5.320	0,51	53,4	5.660
4 x 150	6.650	0,51	59,6	6.930

