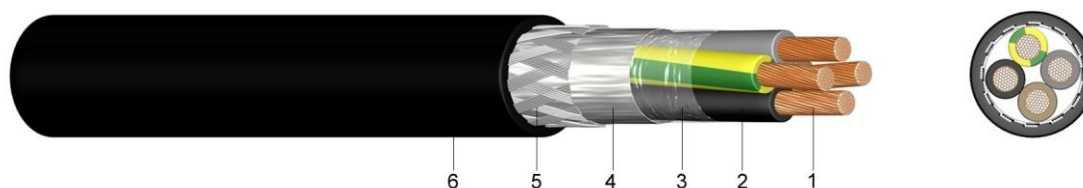


2YSLCYK

EMV Composite Connection Cable with Copper Braiding

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 and outdoor.



Construction:

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

Standards:

- DIN VDE 0285-525-1
- DIN EN 60228 class 5 (construction)
- HD 308 S2 (core identification)
- DIN VDE 0207
- EN 55011

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		-40°C till +70°C
Operating temperature	short circuit	°C	160°C
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	7,5
	in motion	x diameter	15,0
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²		Copper figure	Cond. construction (appr. value) mm	Overall diameter mm	Weight appr. kg / km
		kg/km			
4 x 1,5	●	99	30 x 0,26	11,4	170
4 x 2,5	●	156	48 x 0,26	13,0	235
4 x 4	●	244	56 x 0,31	14,7	320
4 x 6	●	333	84 x 0,31	16,7	425
4 x 10	●	554	80 x 0,41	20,9	665
4 x 16	●	821	128 x 0,41	23,7	970



Number of cores and nominal cross section mm ²		Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter mm	Weight appr. kg / km
4 x 25	●	1.285	200 x 0,41	28,3	1.400
4 x 35	●	1.730	280 x 0,41	32,1	1.890
4 x 50	●	2.439	400 x 0,41	38,7	2.700
4 x 70	●	3.324	350 x 0,51	43,2	3.480
4 x 95	●	4.489	485 x 0,51	49,3	4.570
4 x 120	●	5.320	614 x 0,51	53,4	5.660
4 x 150	●	6.660	765 x 0,51	59,6	6.930
4 x 185	●	8.531	944 x 0,51	64,1	8.330
4 x 240	●	10.430	1221x 0,51	66,2	11.292
3 x 1,5 + 3G0,25	○	90	30 x 0,26	12,0	213
3 x 2,5 + 3G0,5	○	150	48 x 0,26	13,0	264
3 x 4 + 3G0,75	○	233	56 x 0,31	15,0	347
3 x 6 + 3G1	○	310	84 x 0,31	16,0	413
3 x 10 + 3G1,5	○	511	80 x 0,41	21,0	692
3 x 16 + 3G2,5	○	753	128 x 0,41	24,0	921
3 x 25 + 3G4	○	1.185	200 x 0,41	28,0	1.267
3 x 35 + 3G6	○	1.599	280 x 0,41	30,0	1.674
3 x 50 + 3G10	○	2.300	400 x 0,41	35,0	2.280
3 x 70 + 3G10	○	2.991	350 x 0,51	39,0	2.963
3 x 95 + 3G16	○	4.118	485 x 0,51	42,0	3.758
3 x 120 + 3G16	○	5.038	614 x 0,51	47,0	4.565
3 x 150 + 3G25	○	5.638	765 x 0,51	52,0	5.757
3 x 185 + 3G35	○	7.259	944 x 0,51	57,0	7.018
3 x 240 + 3G50	○	9.529	1221x 0,51	62,0	9.089