EMC connecting cable 2YSL(St)CYv

Application: The cable has been developed for connecting motors to inverse rectifiers under consideration of EMCrequirements.

It may be used under medium mechanical stress for fixed installations and temporary movement. Also for outdoor installation, but not for direct burial. The cable is resistant against most usual oil and grease.

Construction

conductor material: bare copper

conductor construction: fine stranded, class 5

insulation: polyethylene

screen: aluminium-foil + copper-braiding, tinned

screen coverage: 75 %

sheathing material: PVC, enforced

colour of outer sheath: black

core identification: colours acc. VDE 0293 (HD308)

- fine stranded, class 5
- 70° maximum temperature at conductor: 70 °C
- +70° max. operating temperature, fixed: -30 - +70 °C
- +70° temperature, moved/during installation: -5 - +70 °C
- bending radius, fixed installation: 10 x DA moved application: 25 x DA
- 600 V nominal voltage Uo: 600 V
- 1 kV nominal voltage U: 1 kV
- 4 kV test voltage: 4 kV
- flame retardant: VDE 0482-332-1-2/IEC 60332-1
- oil resistant: EN 60811-2-1
- installation in free air without protection (cable UV-resistant)
- screened cable

EMC connecting cable 2YSL(St)CYv

p/n	part name	R_I [Ω/km]	I_{bl} [A]	D_A [mm]	Cu [kg/km]	G [kg]
2YSL(St)CYv						
031993	EMV 2YSL(St)CYv- JB 03X1,5 + 03G0,25 0,6/1 kV SW	13,3	18	10,2	86	140
031994	EMV 2YSL(St)CYv- JB 03X2,5 + 03G0,5 0,6/1 kV SW	7,98	26	11,4	144	220
031995	EMV 2YSL(St)CYv- JB 03X4 + 03G0,75 0,6/1 kV SW	4,95	34	13,1	224	323
031996	EMV 2YSL(St)CYv- JB 03X6 + 03G1 0,6/1 kV SW	3,3	44	14,9	298	420
031871	EMV 2YSL(St)CYv- JB 03X10 + 03G1,5 0,6/1 kV SW	1,91	61	18,4	511	615
031997	EMV 2YSL(St)CYv- JB 03X16 + 03G2,5 0,6/1 kV SW	7,98	82	21,6	723	819
031870	EMV 2YSL(St)CYv- JB 03X25 + 03G4 0,6/1 kV SW	4,95	108	25,3	1204	1402
031998	EMV 2YSL(St)CYv- JB 03X35 + 03G6 0,6/1 kV SW	0,554	135	27,8	1535	1718
031999	EMV 2YSL(St)CYv- JB 03X50 + 03G10 0,6/1 kV SW	0,386	168	32,6	2208	2399
031869	EMV 2YSL(St)CYv- JB 03X70 + 03G10 0,6/1 kV SW	0,272	207	38,9	2980	3173
032000	EMV 2YSL(St)CYv- JB 03X95 + 03G16 0,6/1 kV SW	0,206	250	44,3	3953	4162
031868	EMV 2YSL(St)CYv- JB 03X120 + 03G16 0,6/1 kV SW	0,161	292	46,8	5007	5253
032001	EMV 2YSL(St)CYv- JB 03X150 + 03G25 0,6/1 kV SW	0,129	335	53,5	5412	6128
032002	EMV 2YSL(St)CYv- JB 03X185 + 03G35 0,6/1 kV SW	0,106	382	59,5	6969	7450
032130	EMV 2YSL(St)CYv- JB 03X240 + 03G50 0,6/1 kV SW	0,0801	453	70	9123	10800
032928	EMV 2YSL(St)CYv- JB 03X300 + 03G70 0,6/1 kV SW	0,0641	523		11965	13760
031719	EMV 2YSL(St)CYv- JB 04X1,5 0,6/1 kV SW	13,3	18	10,4	95	154
031720	EMV 2YSL(St)CYv- JB 04X2,5 0,6/1 kV SW	7,98	26	12,3	150	229
031721	EMV 2YSL(St)CYv- JB 04X4 0,6/1 kV SW	4,95	34	14,5	235	339
031712	EMV 2YSL(St)CYv- JB 04X6 0,6/1 kV SW	3,3	44	16,8	320	451
031722	EMV 2YSL(St)CYv- JB 04X10 0,6/1 kV SW	1,91	61	19,7	533	667
031723	EMV 2YSL(St)CYv- JB 04X16 0,6/1 kV SW	7,98	82	22	789	892
031724	EMV 2YSL(St)CYv- JB 04X25 0,6/1 kV SW	4,95	108	27	1236	1440
031713	EMV 2YSL(St)CYv- JB 04X35 0,6/1 kV SW	0,554	135	30,3	1663	1861
031725	EMV 2YSL(St)CYv- JB 04X50 0,6/1 kV SW	0,386	168	35	2345	2547
031727	EMV 2YSL(St)CYv- JB 04X70 0,6/1 kV SW	0,272	207	39,4	3196	3404
031714	EMV 2YSL(St)CYv- JB 04X95 0,6/1 kV SW	0,206	250	46	4316	4888
031728	EMV 2YSL(St)CYv- JB 04X120 0,6/1 kV SW	0,161	292	51,4	5435	5703
031715	EMV 2YSL(St)CYv- JB 04X150 0,6/1 kV SW	0,129	335	58,8	6394	7040
031729	EMV 2YSL(St)CYv- JB 04X185 0,6/1 kV SW	0,106	382	61,1	8203	9150
031730	EMV 2YSL(St)CYv- JB 04X240 0,6/1 kV SW	0,0801	453	70	11008	12500
032929	EMV 2YSL(St)CYv- JB 04X300 0,6/1 kV SW	0,0641	523		13485	15508

RI: conductor resistance
Ibl: ampacity (in air)
DA: outer diameter
Cu: copper
G: weight