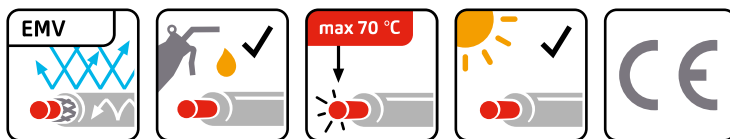


EMC connecting cable 2YSL(St)CYv



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
flame retardant:	VDE 0482-332-1-2/IEC 60332-1-2
oil resistant:	EN 60811-2-1
maximum temperature at conductor:	70 °C
max. operating temperature, fixed:	-30 - +70 °C
temperature, moved/during installation:	-5 - +70 °C
nominal voltage U₀:	600 V
nominal voltage U:	1 kV
maximum permitted operating voltage in 3-phase systems:	1,2 kV
test voltage:	4 kV
core identification:	colours acc. VDE 0293 (HD308)

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



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

bending radii

installation	< 12 mm	12-20 mm	> 20 mm
fixed installation	5D	7,5D	10D
free movement	10D	15D	20D

Table: Technical characteristics 2YSL(St)CYv

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg/km]
031993	FACAB EMV 2YSL(St)CYv- JB 03X1,5 + 03G0,25 0,6/1 kV SW	13,3	18	10,2	86	140

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg/km]
031994	FACAB EMV 2YSL(St)CYv- JB 03X2,5 + 03G0,5 0,6/1 kV SW	7,98	26	11,4	144	220
031995	FACAB EMV 2YSL(St)CYv- JB 03X4 + 03G0,75 0,6/1 kV SW	4,95	34	13,1	224	323
031996	FACAB EMV 2YSL(St)CYv- JB 03X6 + 03G1 0,6/1 kV SW	3,3	44	14,9	298	420
031871	FACAB EMV 2YSL(St)CYv- JB 03X10 + 03G1,5 0,6/1 kV SW	1,91	61	18,4	511	615
031997	FACAB EMV 2YSL(St)CYv- JB 03X16 + 03G2,5 0,6/1 kV SW	7,98	82	21,6	723	819
031870	FACAB EMV 2YSL(St)CYv- JB 03X25 + 03G4 0,6/1 kV SW	4,95	108	25,3	1204	1402
031998	FACAB EMV 2YSL(St)CYv- JB 03X35 + 03G6 0,6/1 kV SW	0,554	135	27,8	1535	1718
031999	FACAB EMV 2YSL(St)CYv- JB 03X50 + 03G10 0,6/1 kV SW	0,386	168	32,6	2208	2399
031869	FACAB EMV 2YSL(St)CYv- JB 03X70 + 03G10 0,6/1 kV SW	0,272	207	38,9	2980	3173
032000	FACAB EMV 2YSL(St)CYv- JB 03X95 + 03G16 0,6/1 kV SW	0,206	250	44,3	3953	4162
031868	FACAB EMV 2YSL(St)CYv- JB 03X120 + 03G16 0,6/1 kV SW	0,161	292	46,8	5007	5253
032001	FACAB EMV 2YSL(St)CYv- JB 03X150 + 03G25 0,6/1 kV SW	0,129	335	53,5	5412	6128
032002	FACAB EMV 2YSL(St)CYv- JB 03X185 + 03G35 0,6/1 kV SW	0,106	382	59,5	6969	7450
032130	FACAB EMV 2YSL(St)CYv- JB 03X240 + 03G50 0,6/1 kV SW	0,0801	453	70	9123	10800
032928	FACAB EMV 2YSL(St)CYv- JB 03X300 + 03G70 0,6/1 kV SW	0,0641	523	74	11965	13760
031719	FACAB EMV 2YSL(St)CYv- JB 04X1,5 0,6/1 kV SW	13,3	18	10,4	95	154
031720	FACAB EMV 2YSL(St)CYv- JB 04X2,5 0,6/1 kV SW	7,98	26	12,3	150	229
031721	FACAB EMV 2YSL(St)CYv- JB 04X4 0,6/1 kV SW	4,95	34	14,5	235	339
031712	FACAB EMV 2YSL(St)CYv- JB 04X6 0,6/1 kV SW	3,3	44	16,8	320	451
031722	FACAB EMV 2YSL(St)CYv- JB 04X10 0,6/1 kV SW	1,91	61	19,7	533	667
031723	FACAB EMV 2YSL(St)CYv- JB 04X16 0,6/1 kV SW	7,98	82	22	789	892
031724	FACAB EMV 2YSL(St)CYv- JB 04X25 0,6/1 kV SW	4,95	108	27	1236	1440
031713	FACAB EMV 2YSL(St)CYv- JB 04X35 0,6/1 kV SW	0,554	135	30,3	1663	1861
031725	FACAB EMV 2YSL(St)CYv- JB 04X50 0,6/1 kV SW	0,386	168	35	2345	2547
031727	FACAB EMV 2YSL(St)CYv- JB 04X70 0,6/1 kV SW	0,272	207	39,4	3196	3404

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	Cu [kg/km]	G [kg/km]
031714	FACAB EMV 2YSL(St)CYv- JB 04X95 0,6/1 kV SW	0,206	250	46	4316	4888
031728	FACAB EMV 2YSL(St)CYv- JB 04X120 0,6/1 kV SW	0,161	292	51,4	5435	5703
031715	FACAB EMV 2YSL(St)CYv- JB 04X150 0,6/1 kV SW	0,129	335	58,8	6394	7040
031729	FACAB EMV 2YSL(St)CYv- JB 04X185 0,6/1 kV SW	0,106	382	61,1	8203	9150
031730	FACAB EMV 2YSL(St)CYv- JB 04X240 0,6/1 kV SW	0,0801	453	70	11008	12500
032929	FACAB EMV 2YSL(St)CYv- JB 04X300 0,6/1 kV SW	0,0641	523		13485	15508

RI	conductor resistance
Ibl	ampacity (in air) (30°C)
DA	outer diameter
Cu	copper weight (ger)
G	weight