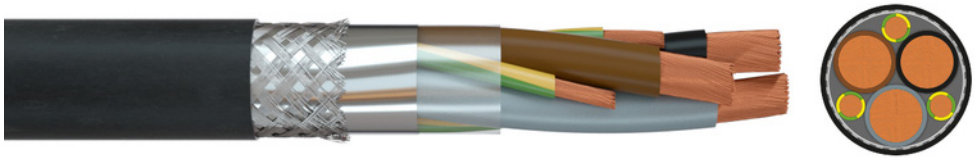
EMC connecting cable for drives
2XSL(St)CHv /3 DB



Application: Halogen-free and flame-retardant cable connecting motors to inverse rectifiers under consideration of EMC-requirements. It may be used under medium mechanical stress for fixed installations and temporary movement. Suitable for indoor and outdoor installation as well as for direct ground burial.

Construction and technical data:

CPR-classification according to EN 50575:	Dca
Conductor material:	copper, bare
Conductor construction:	Class 5 = fine stranded - DIN EN IEC 60228 (VDE 0295)
Insulation:	XLPE
Arrangement of protective conductors:	split in the outer interstices
Screen:	aluminium foil + tinned copper braid
Screen coverage, approx.:	80 %
Sheathing material:	FRNC-compound ST8
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)
Smoke density:	DIN EN 61034/IEC 61034
Halogen-free:	DIN EN 50267/IEC 60754
UV-resistant:	yes
Ozone-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +90 °C
Permitted outer cable temperature, moved, °C:	-5 - +90 °C

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 radius acc. DIN EN 50565-1

application	<12 mm	12-20 mm	>20 mm
fixed installation	5D	7.5D	10D
free movement	10D	15D	20D

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FABER® EMC 2XSL(St)CHv-JB /3 direct burial

Nominal voltage Uo: 0.6 kV

Nominal voltage U: 1 kV

Test voltage: 2.5 kV

Protective conductor: yes

Core identification: colours acc. to VDE 0293 (HD308)

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ibe [A]	Ø [mm]	Cu	G [kg]
037165	03X1.5 + 3G0.25	13.3	23	31	10.2	86	144
036964	03X2.5 + 3G0.5	7.98	32	40	13.1	144	253
036965	03X4 + 3G0.75	4.95	42	52	14.5	224	323
037166	03X6 + 3G1	3.3	54	86	15.3	298	389
036966	03X10 + 3G1.5	1.91	74	86	16.9	511	536
037167	03X16 + 3G2.5	1.21	98	112	19.5	723	783
037168	03X25 + 3G4	0.78	127	145	22.6	1204	1318
037169	03X35 + 3G6	0.554	158	174	24.8	1535	1718
037170	03X50 + 3G10	0.386	192	206	28.9	2208	2399
037171	03X70 + 3G10	0.272	246	254	33.6	2980	3100
036967	03X95 + 3G16	0.206	298	305	38.6	3953	4200
036968	03X120 + 3G16	0.161	359	348	41.5	5007	5253
037172	03X150 + 3G25	0.129	399	392	46.6	5412	5606
037173	03X185 + 3G35	0.106	456	442	52.6	7041	8595
037174	03X240 + 3G50	0.0801	538	509	56.5	9123	10800

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ibe	Ampacity in ground (20 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000