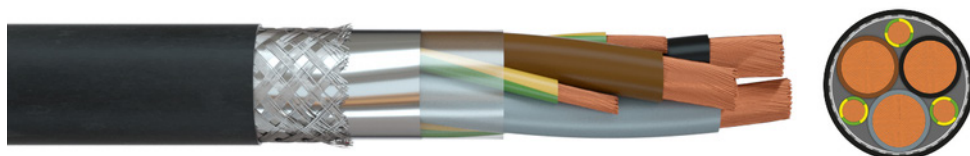


# EMC connecting cable for drives 2XSL(St)CHv /3 DB



**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:

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

Nominal voltage U<sub>o</sub>: 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	RI [Ohm/km]	I <sub>bl</sub> [A]	I <sub>be</sub> [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	1148
037169	03X35 + 3G6	0.554	158	174	24.8	1535	1490
037170	03X50 + 3G10	0.386	192	206	28.9	2208	2399
037171	03X70 + 3G10	0.272	246	254	33.6	2980	2779
036967	03X95 + 3G16	0.206	298	305	38.6	3953	3687
036968	03X120 + 3G16	0.161	359	348	41.5	5007	4430
037172	03X150 + 3G25	0.129	399	392	46.6	5412	5606
037173	03X185 + 3G35	0.106	456	442	52.6	7041	6932
037174	03X240 + 3G50	0.0801	538	509	56.5	9123	8945

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
I <sub>be</sub>	Ampacity in ground (20 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000