

EMC connecting cable for drives 2XSL(St)CHv 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 = flexible
Insulation:	XLPE
Screen:	aluminium foil + tinned copper braid
Screen coverage:	75 %
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

Nominal voltage U_o:	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 _{bl} [A]	I _{be} [A]	Ø [mm]	Cu	G [kg]
036952	04X1.5	13.3	23	31	11.7	95	208
036953	04X2.5	7.98	32	40	12.9	150	263
036969	04X4	4.95	42	52	14	235	335
037101	04X6	3.3	54	86	15.4	320	429
036970	04X10	1.91	74	86	17.8	533	628
037102	04X16	1.21	98	112	20.6	628	892
036948	04X25	0.78	127	145	24.7	1236	1294
036949	04X35	0.554	158	174	27.2	1663	1711
036950	04X50	0.386	192	206	32.2	2345	2411
036951	04X70	0.272	246	254	37.2	3196	3274
036818	04X95	0.206	298	305	42.7	4316	4700
036819	04X120	0.161	346	348	45.9	5435	5699
036820	04X150	0.129	399	392	51.8	6394	6533
036821	04X185	0.106	456	442	58.3	8203	8384
036822	04X240	0.0801	538	509	68.2	11008	11292

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