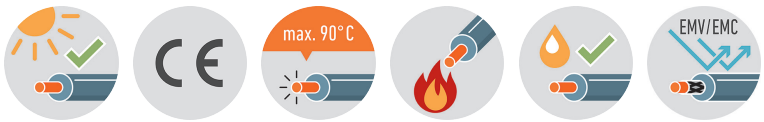
Motor cable for frequency converters
2XSL(St)CYv

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 to most usual oil and grease.

Construction and technical data:

Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	XLPE
Core wrapping:	plastic foil
Screen:	aluminium foil + tinned copper braid
Screen coverage:	75 %
Sheathing material:	PVC, enforced
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
For outdoor use:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-30 - +70 °C
Permitted outer cable temperature, moved, °C:	-5 - +70 °C
Bending radius, fixed installation:	10 x Ø
Bending radius, moving application:	20 x Ø
Transfer impedance:	250 Ohm/km



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.

2XSL(St)CYv-JB

Nominal voltage Uo: 0.6 kV

Nominal voltage U: 1 kV

Maximum permitted operating voltage in three-phase systems: 1.2 kV

Test voltage: 3 kV

Protective conductor: yes

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

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Cu	G [kg]
038412	04X1.5	13.3	23	10.5	95	154
034456	04X2.5	7.98	32	12.5	150	270
038413	04X4	4.95	42	13.1	235	339
034458	04X6	3.3	54	16.5	320	582
038414	04X10	1.91	75	17.6	533	667
038415	04X16	1.21	100	20.4	789	892
038416	04X25	0.78	127	24.9	1236	1440
038417	04X35	0.554	158	30.3	1663	1861
038418	04X50	0.386	192	33.6	2345	2547
038419	04X70	0.272	246	37.4	3196	3404
038420	04X95	0.206	298	42.9	4316	4888
038421	04X120	0.161	346	47.2	5435	5703
038422	04X150	0.129	395	54.8	6394	7040
038423	04X185	0.106	450	57.8	8203	9150
038424	04X240	0.0801	538	70	11008	12500
038425	04X300	0.0641	621	74	13485	15508
038398	03X1.5 + 3G0.25	13.3	23	10.2	86	140
038399	03X2.5 + 3G0.5	7.98	31	11.3	144	220
038400	03X4 + 3G0.75	4.95	42	12.8	224	323
038401	03X6 + 3G1	3.3	54	14.9	298	420
038402	03X10 + 3G1.5	1.91	75	18.4	511	615
038403	03X16 + 3G2.5	1.21	100	21.6	723	819
038404	03X25 + 3G4	0.78	127	26.8	1204	1402
038405	03X35 + 3G6	0.554	158	28.5	1535	1718
038406	03X50 + 3G10	0.386	192	30.1	2208	2399
038407	03X70 + 3G10	0.272	246	35	2980	3173
034465	03X95 + 3G16	0.206	298	37.8	3953	4492
034466	03X120 + 03G16	0.161	346	42.6	5007	5301
038408	03X150 + 3G25	0.129	395	46.1	5412	6128
038409	03X185 + 3G35	0.106	450	53.2	6969	7450
038410	03X240 + 3G50	0.0801	538	58.5	9123	10800
038411	03X300 + 3G70	0.0641	621	74	11965	13760

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

