Flexible control cables - 2XSL(ST)CHK-JB 0,6/1 kV

● EMC

Technical attributes

Standards	EN 50575 (CPR)
Conductor material	Cu, bare
Conductor type	stranded
Conductor standard	EN 60228
Conductor category	5
Core insulation	XLPE
Core colours	black, brown, grey, 3x GN/YE-protection conductor (3+3PE)
Screening	electrostatic screen made of aluminium backed poliester tape and a second screen made of Cu-tinned wire braid
Outer sheath	halogen-free special compound, self-extinguishing and flame-retardant (acc. to EN 60332-1-2, EN 60332-3-22, IEC 60332-3-22 Cat. A), UV-resistant
Outer sheath colour	black
Temperature range min., fixed installation	-40 °C
Temperature range max., fixed installation	+90 °C
Operating temperature at conductor max.	+90 °C
Short circuit temperature at conductor max.	+250 °C
Nominal voltage Uo/U	0,6/1 kV
Test voltage	4000 V
Insulation resistance	>200 MΩ x km
Capacity core/core	70 bis 250 nF/km
Capacity core/screen	110 bis 410 nF/km
Minimum bending radius	Ø<20 mm - 7,5 x Kabel-Ø, Ø>20 mm - 10 x cable-Ø
Current carrying capacities	see information under the respective cross-section
RoHS-compliant	yes

Description

Cables with special construction, used to supply power to motors from frequency converters while maintaining full electromagnetic compatibility (EMC). The XLPE insulation improves current carrying capacity maintaining at the same time low capacitance in comparison to PVC insulated cables. The cables are suitable for both fixed installation and flexible connections in industrial equipment, process lines, and machines operating in dry and damp rooms. Black UV-resistant sheath enables installation outside of buildings. Suitable for protected installation in the ground. Cables classified according to EN 50575 (CPR).

Note

- EMC
- UV-resistant
- halogen-free EN 60754
- flame-retardant EN 60332-1-2; EN 60332-3-22
- low smoke emission EN 61034

Product table

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product number	product name	Weight ca. [kg]	Cu-weight [kg_km]	Outer-Ø ca. [mm]	Outer sheath colour
01691031	2XSL(ST)CHK-JB 0,6/1 kV 3x1,5+3G0,25 bk	140,00	86,00	10,80	black
01691032	2XSL(ST)CHK-JB 0,6/1 kV 3x2,5+3G0,5 bk	219,00	143,00	12,00	black
01691033	2XSL(ST)CHK-JB 0,6/1 kV 3x4+3G0,75 bk	323,00	224,00	13,00	black
01691034	2XSL(ST)CHK-JB 0,6/1 kV 3x6+3G1 bk	429,00	298,00	14,30	black
01691006	2XSL(ST)CHK-JB 0,6/1 kV 3x10+3G1,5 bk	615,00	491,00	16,70	black
01691007	2XSL(ST)CHK-JB 0,6/1 kV 3x16+3G2,5 bk	819,00	723,00	19,30	black
01691036	2XSL(ST)CHK-JB 0,6/1 kV 3x25+3G4 bk	1324,00	1137,00	23,20	black
01691035	2XSL(ST)CHK-JB 0,6/1 kV 3x35+3G6 bk	1718,00	1535,00	26,10	black
01691037	2XSL(ST)CHK-JB 0,6/1 kV 3x50+3G10 bk	2398,00	2207,00	30,20	black
01691038	2XSL(ST)CHK-JB 0,6/1 kV 3x70+3G10 bk	3055,00	2871,00	34,70	black
01691039	2XSL(ST)CHK-JB 0,6/1 kV 3x95+3G16 bk	4161,00	3953,00	38,70	black
01691040	2XSL(ST)CHK-JB 0,6/1 kV 3x120+3G16 bk	5073,00	4836,00	42,00	black
01691041	2XSL(ST)CHK-JB 0,6/1 kV 3x150+3G25 bk	6128,00	5412,00	48,30	black
01691042	2XSL(ST)CHK-JB 0,6/1 kV 3x185+3G35 bk	7189,00	6968,00	54,10	black
01691043	2XSL(ST)CHK-JB 0,6/1 kV 3x240+3G50 bk	9594,00	8540,00	60,00	black