

TECHNOFLEX 2XSLCH-J
TECHNOFLEX 2XSLCHK-J**MOTOR SUPPLY CABLES****APPLICATIONS**

TECHNOFLEX 2XSLCH-J and **TECHNOFLEX 2XSLCHK-J** shielded halogen free cables are intended for connecting converters or inverters with motors in industrial installations, production plants, air-conditioners and other equipment operating in dry and wet locations.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

Cables are protected by a specially designed and highly effective collective shield against emission of electromagnetic interferences to environment and against influence of external interferences.

Halogen free cables, applied when higher safety in case of fire is required. The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOFLEX 2XSLCH-J cables are suitable for indoor and **TECHNOFLEX 2XSLCHK-J** cables for outdoor fixed and movable installations.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- cross-linked polyethylene (XLPE) insulation - black, blue, brown and green-yellow,
- insulated conductors laid-up in a cable core,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- halogen free compound (HFFR) cable sheath of **TECHNOFLEX 2XSLCH-J** cable, grey RAL 7001, other colours also available,
- halogen free compound (HFFR) cable sheath of **TECHNOFLEX 2XSLCHK-J** cable, black RAL 9005, other colours also available.

TECHNOFLEX 2XSLCH-J

TECHNOFLEX 2XSLCHK-J

CHARACTERISTICS

Operating voltage U ₀ /U	0.6/1 kV	Minimum bending radius	
Voltage test	4 kV rms	static for diameters:	
Insulation resistance, minimum	200 MΩ·km	up to 12 mm	5 x cable diameter
Shielding efficiency, approximate	75 dB	from 12 to 20 mm	7.5 x cable diameter
Conductor temperature limit		from 20 mm	10 x cable diameter
in work conditions	+ 90°C	flexible for diameters:	
at short-circuit	+ 250°C	up to 12 mm	10 x cable diameter
Effective capacitance (according to different cross-sections)		from 12 to 20 mm	15 x cable diameter
conductor/conductor	70 to 250 nF/km	from 20 mm	20 x cable diameter
conductor/screen	110 to 410 nF/km	Corrosivity of emitted gases per	PN-EN 60754-1, PN-EN 60754-2, IEC 60754-2
Operating temperature range		pH appr.	6.8
for fixed installation	from - 40 to + 70°C	conductivity appr.	0.4 μS/mm
for movable installation	from + 5 to + 70°C	Smoke density	PN-EN 61034-2, IEC 61034-2
		light transmittance, minimum	70 %
		Cable combustibility	flame retardant
		Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		≥ 25 mm ²	PN-EN 60332-3-23, IEC 60332-3-23 (cat. B)
		< 25 mm ²	PN-EN 60332-3-24, IEC 60332-3-24 (cat. C)
		Reference standards	DIN VDE 0250

CE = the cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Current-carrying capacity at temp. 30°C	Copper index	Cable weight (appr.)
	mm ²	mm	Ω/km	A	kg/km	kg/km
2XSLCH-J						
1676 004	4x1,5	9.9	13.3	23	80.2	152
1676 001	4x2,5	11.4	7.98	32	124.5	208
1676 005	4x4	13.3	4.95	42	186.5	294
1676 006	4x6	15.3	3.3	54	278.5	397
1676 007	4x10	18.4	1.91	75	442.6	620
1676 008	4x16	22.1	1.21	100	708.9	947
1676 009	4x25	25.3	0.78	127	1098.8	1334
1676 002	4x35	28.3	0.554	158	1501.6	1734
1676 003	4x50	36.3	0.386	192	2133.5	2565
1676 010	4x70	43.7	0.272	246	3003.1	3721
1676 011	4x95	48.0	0.206	298	4003.2	4731
1676 012	4x120	53.4	0.161	346	5159.6	6055
1676 013	4x150	57.9	0.129	399	6307.0	7168
1676 014	4x185	63.9	0.106	456	7764.3	8825
1676 015	4x240	73.1	0.0801	538	9926.7	11453

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2XSLCHK-J						
1702 004	4x1,5	9.9	13.3	23	80.2	152
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TECHNOKABEL S.A. reserves the right to change specifications without prior notice.