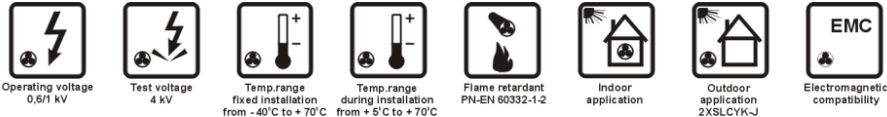


TECHNOFLEX 2XSLCY-J
TECHNOFLEX 2XSLCYK-J**MOTOR SUPPLY CABLES****APPLICATIONS**

TECHNOFLEX 2XSLCY-J and **TECHNOFLEX 2XSLCYK-J** shielded 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.

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

Cable outer sheath is oil-resistant.

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%,
- PVC cable sheath of **TECHNOFLEX 2XSLCY-J** cable, transparent or grey RAL 7001, other colours also available,
- PVC cable sheath of **TECHNOFLEX 2XSLCYK-J** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

TECHNOFLEX 2XSLCH-J - 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 2XSLCY-J TECHNOFLEX 2XSLCYK-J

CHARACTERISTICS

Operating voltage U_0/U	0.6/1 kV	Operating temperature range	
Voltage test	4 kV rms	for fixed installation	from - 40 to + 70°C
Insulation resistance, minimum	200 MΩ·km	for movable installation	from + 5 to + 70°C
Shielding efficiency, approximate	75 dB	Minimum bending radius	
Conductor temperature limit		static for diameters:	
in work conditions	+ 90°C	up to 12 mm	5 x cable diameter
at short-circuit	+250°C	from 12 to 20 mm	7.5 x cable diameter
Effective capacitance (according		from 20 mm	10 x cable diameter
to different cross-sections)		flexible for diameters:	
conductor/conductor	70 to 250 nF/km	up to 12 mm	10 x cable diameter
conductor/screen	110 to 410 nF/km	from 12 to 20 mm	15 x cable diameter
		from 20 mm	20 x cable diameter
		Cable combustibility	flame retardant
		Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		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
2XSLCY-J						
1667 002	4x1,5	9.9	13.3	23	80.2	140
1667 001	4x2,5	11.4	7.98	32	124.5	194
1667 003	4x4	13.3	4.95	42	186.5	276
1667 004	4x6	15.3	3.3	54	278.5	377
1667 005	4x10	18.4	1.91	75	442.6	594
1667 006	4x16	22.1	1.21	100	708.9	911
1667 007	4x25	25.3	0.78	127	1098.8	1291
1667 008	4x35	28.3	0.554	158	1501.6	1682
1667 009	4x50	36.3	0.386	192	2133.5	2492
1667 010	4x70	43.7	0.272	246	3003.1	3619
1667 011	4x95	48.0	0.206	298	4003.2	4614
1667 012	4x120	53.4	0.161	346	5159.6	5915
1667 013	4x150	57.9	0.129	399	6307.0	7010
1667 014	4x185	63.9	0.106	456	7764.3	8638
1667 015	4x240	73.1	0.0801	538	9926.7	11217

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
2XSLCYK-J						
1604 004	4x1,5	9.9	13.3	23	80.2	144
1604 001	4x2,5	11.4	7.98	32	124.5	199
1604 005	4x4	13.3	4.95	42	186.5	282
1604 006	4x6	15.3	3.3	54	278.5	384
1604 007	4x10	18.4	1.91	75	442.6	603
1604 008	4x16	22.1	1.21	100	708.9	924
1604 009	4x25	25.3	0.78	127	1098.8	1306
1604 002	4x35	28.3	0.554	158	1501.6	1700
1604 010	4x50	36.3	0.386	192	2133.5	2517
1604 011	4x70	43.7	0.272	246	3003.1	3654
1604 003	4x95	48.0	0.206	298	4003.2	4655
1604 012	4x120	53.4	0.161	346	5159.6	5963
1604 013	4x150	57.9	0.129	399	6307.0	7065
1604 014	4x185	63.9	0.106	456	7764.3	8703
1604 015	4x240	73.1	0.0801	538	9926.7	11299

TECHNOKABEL S.A. reserves the right to change specifications without prior notice.