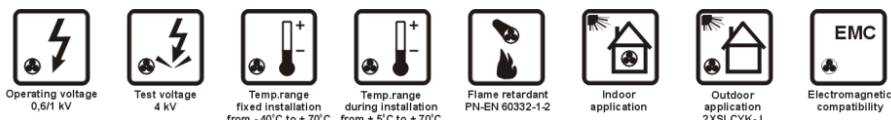


TECHNOFLEX 3Plus 2XSLCY-J
TECHNOFLEX 3Plus 2XSLCYK-J**MOTOR SUPPLY CABLES****APPLICATIONS**

TECHNOFLEX 3Plus 2XSLCY-J and **TECHNOFLEX 3Plus 2XSLCYK-J** shielded cables with symmetrical construction 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.

The division of the protective conductor into 3 evenly distributed in the cable core (on the circumference of 120°) enabled to achieve a symmetrical distribution of fields and reduce the emission of electromagnetic interference into the environment in relation to the cables with four conductors.

TECHNOFLEX 3Plus 2XSLCY-J cables are suitable for indoor and **TECHNOFLEX 3Plus 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 (protective conductor divided into 3 wires in a green-yellow),
- insulated conductors laid-up in a cable core, construction 3+3,
- double screen of aluminium laminated tape and braid of tinned copper wire, braid shield of coverage bigger than 80%,
- PVC cable sheath of **TECHNOFLEX 3Plus 2XSLCY-J** cable, transparent or grey RAL 7001, other colours also available,
- PVC cable sheath of **TECHNOFLEX 3Plus 2XSLCYK-J** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

TECHNOFLEX 3Plus 2XSLCH-J - halogen free cables, applied when higher safety in case of fire is required.

TECHNOFLEX 3Plus 2XSLCY-J
TECHNOFLEX 3Plus 2XSLCYK-J

The cables are flame retardant, their smoke emission in fire is low and released gases are not corrosive.

TECHNOFLEX 3Plus 2XSLCY-J **TECHNOFLEX 3Plus 2XSLCYK-J**

CHARACTERISTICS

Operating voltage U_o/U	0.6/1 kV	Operating temperature range for fixed installation	from - 40 to + 70°C
Voltage test	4 kV rms	for movable installation	from + 5 to + 70°C
Insulation resistance, minimum	200 MΩ·km	Minimum bending radius static for diameters:	
Shielding efficiency, approximate	75 dB	up to 12 mm	5 x cable diameter
Conductor temperature limit in work conditions	+ 90°C	from 12 to 20 mm	7.5 x cable diameter
at short-circuit	+250°C	from 20 mm	10 x cable diameter
Effective capacitance (according 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
3Plus 2XSLCY-J						
1718 001	3x1,5+3G0,25	9.0	13.3	23	70.9	118
1718 002	3x2,5+3G0,5	10.5	7.98	32	111.6	168
1718 003	3x4+3G0,75	12.0	4.95	42	166.1	228
1718 004	3x6+3G1	14.0	3.3	54	244.5	322
1718 005	3x10+3G1,5	16.8	1.91	75	383.1	492
1718 006	3x16+3G2,5	19.9	1.21	100	617.3	750
1718 007	3x25+3G4	22.9	0.78	127	959.0	1433
1718 008	3x35+3G6	25.5	0.554	158	1320.1	1425
1718 009	3x50+3G10	32.8	0.386	192	1916.3	2147
1718 010	3x70+3G10	39.1	0.272	246	2533.9	2920
1718 011	3x95+3G16	43.3	0.206	298	3510.8	3910
1718 012	3x120+3G16	47.6	0.161	346	4270.8	4733
1718 013	3x150+3G25	52.0	0.129	399	5524.0	5916
1718 014	3x185+3G35	57.4	0.106	456	6881.6	7333
1718 015	3x240+3G50	65.8	0.0801	538	9021.7	9687

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
3Plus 2XSLCYK-J						
1719 001	3x1,5+3G0,25	9.0	13.3	23	70.9	121
1719 002	3x2,5+3G0,5	10.5	7.98	32	111.6	172
1719 003	3x4+3G0,75	12.0	4.95	42	166.1	232
1719 004	3x6+3G1	14.0	3.3	54	244.5	327
1719 005	3x10+3G1,5	16.8	1.91	75	383.1	498
1719 006	3x16+3G2,5	19.9	1.21	100	617.3	758
1719 007	3x25+3G4	22.9	0.78	127	959.0	1443
1719 008	3x35+3G6	25.5	0.554	158	1320.1	1436
1719 009	3x50+3G10	32.8	0.386	192	1916.3	2163
1719 010	3x70+3G10	39.1	0.272	246	2533.9	2942
1719 011	3x95+3G16	43.3	0.206	298	3510.8	3936
1719 012	3x120+3G16	47.6	0.161	346	4270.8	4763
1719 013	3x150+3G25	52.0	0.129	399	5524.0	5948
1719 014	3x185+3G35	57.4	0.106	456	6881.6	7373
1719 015	3x240+3G50	65.8	0.0801	538	9021.7	9739

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