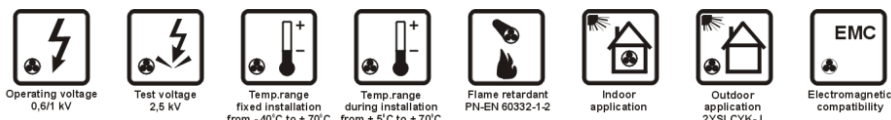


TECHNOFLEX 3Plus 2YSLCY-J
TECHNOFLEX 3Plus 2YSLCYK-J**MOTOR SUPPLY CABLES****APPLICATIONS**

TECHNOFLEX 3Plus 2YSLCY-J and **TECHNOFLEX 3Plus 2YSLCYK-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.

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 2YSLCY-J cables are suitable for indoor and **TECHNOFLEX 3Plus 2YSLCYK-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,
- polyethylene (PE) 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 2YSLCY-J** cable, transparent or grey RAL 7001, other colours also available,
- PVC cable sheath of **TECHNOFLEX 3Plus 2YSLCYK-J** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

TECHNOFLEX 3Plus 2YSLCH-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 3Plus 2YSLCY-J

TECHNOFLEX 3Plus 2YSLCYK-J

CHARACTERISTICS

Operating voltage U_0/U	0.6/1 kV	Operating temperature range	
Voltage test	2.5 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	+ 70°C	up to 12 mm	5 x cable diameter
Effective capacitance (according		from 12 to 20 mm	7.5 x cable diameter
to different cross-sections)		from 20 mm	10 x cable diameter
conductor/conductor	70 to 250 nF/km	flexible for diameters:	
conductor/screen	110 to 410 nF/km	up to 12 mm	10 x cable diameter
		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 2YSLCY-J						
0580 019	3x1,5+3G0,25	9.0	13.3	18	70.9	118
0580 020	3x2,5+3G0,5	10.5	7.98	26	111.6	169
0580 021	3x4+3G0,75	12.0	4.95	34	166.1	229
0580 005	3x6+3G1	14.0	3.3	44	244.5	323
0580 022	3x10+3G1,5	16.8	1.91	61	383.1	494
0580 023	3x16+3G2,5	19.9	1.21	82	617.3	752
0580 024	3x25+3G4	22.9	0.78	108	959.0	1078
0580 025	3x35+3G6	25.5	0.554	135	1320.1	1428
0580 026	3x50+3G10	32.8	0.386	168	1916.3	2151
0580 027	3x70+3G10	39.1	0.272	207	2533.9	2926
0580 028	3x95+3G16	43.3	0.206	250	3510.8	3918
0580 029	3x120+3G16	47.6	0.161	292	4270.8	4742
0580 030	3x150+3G25	52.0	0.129	335	5524.0	5926
0580 031	3x185+3G35	57.4	0.106	385	6881.6	7345
0580 032	3x240+3G50	65.8	0.0801	453	9021.7	9702

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 2YSLCYK-J						
1691 002	3x1,5+3G0,25	9.0	13.3	18	70.9	121
1691 003	3x2,5+3G0,5	10.5	7.98	26	111.6	172
1691 004	3x4+3G0,75	12.0	4.95	34	166.1	233
1691 005	3x6+3G1	14.0	3.3	44	244.5	328
1691 006	3x10+3G1,5	16.8	1.91	61	383.1	502
1691 007	3x16+3G2,5	19.9	1.21	82	617.3	762
1691 008	3x25+3G4	22.9	0.78	108	959.0	1089
1691 009	3x35+3G6	25.5	0.554	135	1320.1	1441
1691 010	3x50+3G10	32.8	0.386	168	1916.3	2171
1691 011	3x70+3G10	39.1	0.272	207	2533.9	2951
1691 012	3x95+3G16	43.3	0.206	250	3510.8	3949
1691 013	3x120+3G16	47.6	0.161	292	4270.8	4777
1691 001	3x150+3G25	52.0	0.129	335	5524.0	5967
1691 014	3x185+3G35	57.4	0.106	385	6881.6	7393
1691 015	3x240+3G50	65.8	0.0801	453	9021.7	9763

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