

TECHNOFLEX 2YSLCYn-J
TECHNOFLEX 2YSLCYnK-J**MOTOR SUPPLY CABLES****APPLICATIONS**

TECHNOFLEX 2YSLCYn-J and **TECHNOFLEX 2YSLCYnK-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.

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

Sheathing PVC of high oxygen index is self-extinguishing and flame retardant. The cables pass combustibility test according to PN-EN 60332-3 standard.

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,
- 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 2YSLCYn-J** cable, grey RAL 7001, other colours also available,
- PVC cable sheath of **TECHNOFLEX 2YSLCYnK-J** cable, black RAL 9005, other colours also available.

AVAILABLE UPON REQUEST

TECHNOFLEX 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 2YSLCYn-J

TECHNOFLEX 2YSLCYnK-J

CHARACTERISTICS

Operating voltage U_0/U	0.6/1 kV	Minimum bending radius static for diameters:	
Voltage test	2.5 kV rms	up to 12 mm	5 x cable diameter
Insulation resistance, minimum	200 M Ω ·km	from 12 to 20 mm	7.5 x cable diameter
Shielding efficiency, approximate	75 dB	from 20 mm	10 x cable diameter
Conductor temperature limit in work conditions	+ 70°C	flexible for diameters:	
Effective capacitance (according to different cross-sections) 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
Operating temperature range for fixed installation	from - 40 to + 70°C	from 20 mm	20 x cable diameter
for movable installation	from + 5 to + 70°C	Cable combustibility	flame retardant
		Combustibility tests $\geq 25 \text{ mm}^2$	PN-EN 60332-1-2, IEC 60332-1-2
		< 25 mm ²	PN-EN 60332-3-23, IEC 60332-3-23 (cat. B)
		Reference standards	PN-EN 60332-3-24, IEC 60332-3-24 (cat. C)
			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
2YSLCYn-J						
1531 003	4x1,5	10.5	13.3	18	80.2	169
1531 010	4x2,5	12.0	7.98	26	124.5	228
1531 004	4x4	13.7	4.95	34	186.5	311
1531 011	4x6	15.7	3.30	44	278.5	417
1531 009	4x10	18.6	1.91	61	442.6	635
1531 005	4x16	22.1	1.21	82	708.9	955
1531 012	4x25	25.3	0.780	108	1098.8	1344
1531 013	4x35	28.3	0.554	135	1501.6	1745
1531 008	4x50	36.3	0.386	168	2133.5	2581
1531 014	4x70	43.7	0.272	207	3003.1	3742
1531 007	4x95	48.0	0.206	250	4003.2	4756
1531 015	4x120	53.4	0.161	292	5159.6	6085
1531 016	4x150	57.9	0.129	335	6307.0	7202
1531 017	4x185	63.9	0.106	385	7764.3	8865
1531 018	4x240	73.1	0.0801	453	9926.7	11504

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	mm ²	mm	Ω/km	A	kg/km	kg/km
2YSLCYnK-J						
1455 004	4x1,5	10.5	13.3	18	80.2	169
1455 005	4x2,5	12.0	7.98	26	124.5	228
1455 001	4x4	13.7	4.95	34	186.5	311
1455 002	4x6	15.7	3.30	44	278.5	417
1455 003	4x10	18.6	1.91	61	442.6	635
1455 006	4x16	22.1	1.21	82	708.9	955
1455 007	4x25	25.3	0.780	108	1098.8	1344
1455 008	4x35	28.3	0.554	135	1501.6	1745
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TECHNOKABEL S.A. reserves the right to change specifications without prior notice.