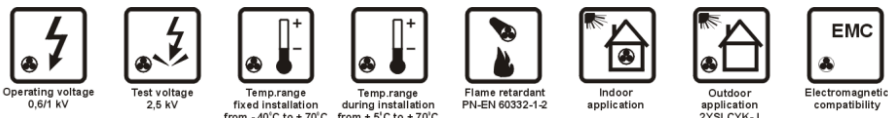


TECHNOFLEX 2YSLCY-J
TECHNOFLEX 2YSLCYK-J**MOTOR SUPPLY CABLES****APPLICATIONS**

TECHNOFLEX 2YSLCY-J and **TECHNOFLEX 2YSLCYK-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 2YSLCY-J cables are suitable for indoor and **TECHNOFLEX 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,
- 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 2YSLCY-J** cable, transparent or grey RAL 7001, other colours also available,
- PVC cable sheath of **TECHNOFLEX 2YSLCYK-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 2YSLCY-J

TECHNOFLEX 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
2YSLCY-J						
0580 001	4x1,5	9.9	13.3	18	80.2	141
0580 002	4x2,5	11.4	7.98	26	124.5	195
0580 003	4x4	13.3	4.95	34	186.5	277
0580 009	4x6	15.3	3.30	44	278.5	379
0580 004	4x10	18.4	1.91	61	442.6	595
0580 007	4x16	22.1	1.21	82	708.9	914
0580 006	4x25	25.3	0.780	108	1098.8	1294
0580 008	4x35	28.3	0.554	135	1501.6	1685
0580 012	4x50	36.3	0.386	168	2133.5	2496
0580 013	4x70	43.7	0.272	207	3003.1	3625
0580 014	4x95	48.0	0.206	250	4003.2	4622
0580 015	4x120	53.4	0.161	292	5159.6	5923
0580 016	4x150	57.9	0.129	335	6307.0	7019
0580 017	4x185	63.9	0.106	385	7764.3	8649
0580 018	4x240	73.1	0.0801	453	9926.7	11232

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
2YSLCYK-J						
1103 003	4x1,5	9.9	13.3	18	80.2	145
1103 004	4x2,5	11.4	7.98	26	124.5	199
1103 005	4x4	13.3	4.95	34	186.5	283
1103 006	4x6	15.3	3.30	44	278.5	386
1103 001	4x10	18.4	1.91	61	442.6	605
1103 007	4x16	22.1	1.21	82	708.9	926
1103 002	4x25	25.3	0.780	108	1098.8	1309
1103 009	4x35	28.3	0.554	135	1501.6	1703
1103 008	4x50	36.3	0.386	168	2133.5	2522
1103 010	4x70	43.7	0.272	207	3003.1	3660
1103 011	4x95	48.0	0.206	250	4003.2	4662
1103 012	4x120	53.4	0.161	292	5159.6	5972
1103 013	4x150	57.9	0.129	335	6307.0	7074
1103 014	4x185	63.9	0.106	385	7764.3	8714
1103 015	4x240	73.1	0.0801	453	9926.7	11314

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