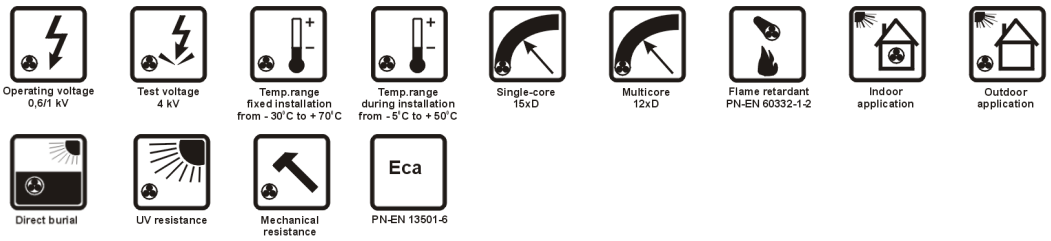
TECHNOKABEL®
Connecting since 1982

YKXSFtyżo 0,6/1 kV, YKXSFty 0,6/1 kV



APPLICATIONS

YKXSFtyżo 0,6/1 kV and **YKXSFty 0,6/1 kV** armoured power cables are designed for electric power transmission. They are also applied in power circuits in industrial plants and power stations and in local distribution networks.

The cables are suitable for indoor and outdoor installations, for laying in cable ducts and for direct earth burial.

Improved electrical properties, small dimensions and weight compared to the cables with PVC insulation is achieved using cross-linked polyethylene insulation.

Steel tape armour offers enhanced protection against mechanical damages and rodent attack, it has also shielding properties.

CONSTRUCTION

- bare annealed copper conductors meeting requirements of PN-EN 60228 standard:

  RE - class 1 circular single-wire,

  RM - class 2 circular multi-wire,

  SM - class 2 sector shaped multi-wire,
- cross-linked polyethylene (XLPE) insulation - colours in accordance with PN-HD 308 standard, green-yellow protective conductor in **YKXSFtyżo 0,6/1 kV** cable,
- insulated conductors laid-up in a cable core,
- PVC cable sheath,
- galvanized steel tape armour,
- black PVC cable covering, other colours also available.

AVAILABLE UPON REQUEST

YKXSFtyżo-O 0,6/1 kV and **YKXSFty-O 0,6/1 kV** - cables designed for frequent contact with petroleum products, as in petrol stations and stores, where engine fuels and lubricants are pumped or handled. The cable sheath is then made of special PVC compound meeting oil resistance requirements of Polish standard PN EN 60811-404.

XnKXSFtxnżo 0,6/1 kV and **XnKXSFtxn 0,6/1 kV** - 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.

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RoHS COMPLIANT CE

CHARACTERISTICS

Operating voltage Uo/U	0,6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	100 MΩ·km
Conductor temperature limit	
in work conditions	+ 90°C
at short-circuit	+ 250°C
Operating temperature range	
during operation	from - 30 to + 70°C
during installation	from - 5 to + 50°C
Minimum bending radius	
single wire cables	15 x cable diameter
multi wire cables	12 x cable diameter
Cable combustibillity	flame retardant
Combustibillity tests	PN-EN 60332-1-2, IEC 60332-1-2
Referance standards	IEC 60502-1, PN-HD 603 S1
CPR – class reaction on fire	Eca
DoP declarations are avalible at	technokabel.com.pl

The cable meets requirements of the low voltage directive 2014/35/EU

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Copper index	Cable weight (appr.)
	mm²	mm	Ω/km	kg/km	kg/km
YKXSFty 0,6/1 kV					
1805 002	2x1,0 RE	9.8	18.1	19.2	164
1805 003	2x1,5 RE	10.3	12.1	28.8	186
1805 001	2x2,5 RE	11.1	7.41	48.0	224
1805 004	2x4 RE	12.0	4.61	76.8	275
1805 005	2x6 RE	13.0	3.08	115.2	338
1805 006	2x10 RE	14.6	1.83	192.0	458
1805 007	2x16 RE	16.6	1.15	307.2	628
1805 008	2x25 RM	20.7	0.727	480.0	969
1805 009	2x35 RM	23.5	0.524	672.0	1273
1805 022	2x50 RM	26.2	0.387	960.0	1635
1805 023	2x70 RM	30.1	0.268	1344	2219
1805 024	2x95 RM	34.4	0.193	1824	3038
1805 025	2x120 RM	38.2	0.153	2304	3665
1805 026	2x150 RM	42.3	0.124	2880	4519
1805 027	2x185 RM	47.3	0.0991	3552	5619
1805 028	2x240 RM	52.3	0.0754	4608	7100
YKXSFtyżo 0,6/1 kV					
1133 006	3x1,0 RE	10.2	18.1	28.8	181
1133 007	3x1,5 RE	10.7	12.1	43.2	206
1133 008	3x2,5 RE	11.5	7.41	72.0	250
1133 009	3x4 RE	12.5	4.61	115.2	316
1133 010	3x6 RE	13.6	3.08	172.8	397
1133 011	3x10 RE	15.5	1.83	288.0	557
1133 012	3x16 RE	17.5	1.15	460.8	772
1133 003	3x25 RM	21.9	0.727	720.0	1191
1133 005	3x35 RM	24.9	0.524	1008	1581
1133 013	3x50 SM	25.8	0.387	1440	2065
1133 014	3x70 SM	29.9	0.268	2016	2570
1133 015	3x95 SM	33.6	0.193	2736	3496
1133 016	3x120 SM	37.3	0.153	3456	4204
1133 017	3x150 SM	41.7	0.124	4320	5250
1133 018	3x185 SM	46.5	0.0991	5328	6503
1133 019	3x240 SM	51.7	0.0754	6912	8325
YKXSFtyżo 0,6/1 kV					
1133 020	4x1,0 RE	10.8	18.1	38.4	203
1133 021	4x1,5 RE	11.4	12.1	57.6	234
1133 022	4x2,5 RE	12.3	7.41	96.0	290
1133 023	4x4 RE	13.4	4.61	153.6	372
1133 024	4x6 RE	14.6	3.08	230.4	472
1133 025	4x10 RE	16.7	1.83	384.0	674
1133 026	4x16 RE	18.9	1.15	614.4	943
1133 027	4x25 RM	24.0	0.727	960.0	1475
1133 028	4x35 RM	27.3	0.524	1344	1965
1133 029	4x50 SM	28.2	0.387	1920	2576
1133 030	4x70 SM	32.8	0.268	2688	3221
1133 031	4x95 SM	37.3	0.193	3648	4446
1133 032	4x120 SM	41.5	0.153	4608	5359

Product No.	Number of conductors x conductors cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, max.	Copper index	Cable weight (appr.)
	mm^2	mm	Ω/km	kg/km	kg/km
1133 033	4x150 SM	46.1	0.124	5760	6651
1133 034	4x185 SM	51.6	0.0991	7104	8276
1133 035	4x240 SM	57.2	0.0754	9216	10580
	YKXSFtyżo 0,6/1 kV				
1133 036	5x1,0 RE	11.4	18.1	48.0	226
1133 037	5x1,5 RE	12.1	12.1	72.0	265
1133 038	5x2,5 RE	13.1	7.41	120.0	333
1133 039	5x4 RE	14.4	4.61	192.0	432
1133 040	5x6 RE	15.9	3.08	288.0	562
1133 041	5x10 RE	18.1	1.83	480.0	800
1133 042	5x16 RE	20.9	1.15	768.0	1170
1133 004	5x25 RM	26.2	0.727	1200	1768
1133 043	5x35 RM	29.7	0.524	1680	2356
1133 044	5x50 SM	31.3	0.387	2400	3149
1133 045	5x70 SM	36.5	0.268	3360	3954
1133 046	5x95 SM	41.4	0.193	4560	5465
1133 047	5x120 SM	45.8	0.153	5760	6545
1133 048	5x150 SM	51.2	0.124	7200	8164
1133 049	5x185 SM	57.0	0991	8880	10117
1133 050	5x240 SM	63.3	0754	11520	12957

Other cross-sections and conductor counts available on request.
TECHNOKABEL SA reserves the right to change specifications without prior notice.