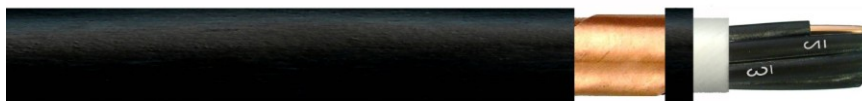


YKSXSektmyżo-Nr 0,6/1 kV, YKSXSektmy-Nr 0,6/1 kV**XLPE INSULATED AND PVC SHEATHED, COPPER TAPE SHIELDED AND PVC OVERSHEATHED CONTROL CABLES**Operating voltage
0,6/1 kVTest voltage
4 kVTemp. range
fixed installation
from -30°C to +70°CTemp. range
during installation
from -5°C to +50°CMulticore
12xDFlame retardant
PN-EN 60332-1-2Indoor
applicationOutdoor
application

Direct burial



UV resistance

Electromagnetic
compatibility**APPLICATIONS**

YKSXSektmyżo-Nr 0,6/1 kV and **YKSXSektmy-Nr 0,6/1 kV** shielded control cables are designed for control, protection and monitoring systems in power engineering, also for electric power distribution.

The cables are suitable for industrial applications, such as production plants or air-conditioning systems operating in dry and wet locations, also for outdoor installations, in cable ducts or 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.

Copper tape overall shield prevents emission of interferences produced in the cables and protects the cables against external electromagnetic interferences.

CONSTRUCTION

- bare annealed copper conductors meeting requirements of class 1 per PN-EN 60228 standard,
- black cross-linked polyethylene (XLPE) insulation and white conductor number printed on it; a green-yellow protective conductor in the outer layer in **YKSXSektmyżo-Nr 0,6/1 kV** cable,
- insulated conductors laid-up in a cable core,
- PVC cable sheath,
- copper tape shield,
- black PVC cable covering, other colours also available.

AVAILABLE UPON REQUEST

YKSXSektmy-Nr-O 0,6/1 kV and **YKSXSektmyżo-Nr-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.

XnKSXSektmxn-Nr 0,6/1 kV and **XnKSXSektmxnżo-Nr 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.

YKSXSektmyżo-Nr 0,6/1 kV, YKSXSektmy-Nr 0,6/1 kV

CHARACTERISTICS

Conductor cross-section	mm ²	1	1,5	2,5	4	6	10	16
DC conductor resistance at 20°C, maximum	Ω/km	18.1	12.1	7.41	4.61	3.08	1.83	1.15

Operating voltage U ₀ /U	0.6/1 kV	Temperature range during operation	from - 30 to + 70°C
Voltage test	4 kV rms	Temperature range during installation	from - 5 to + 50°C
Insulation resistance, minimum	100 MΩ·km	Minimum bending radius	12 x cable diameter
Conductor temperature limit in work conditions	+ 90°C	Cable combustibility	flame retardant
Conductor temperature limit in short-circuit	+ 250°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Reference standards	IEC 60502-1, PN-HD 603 S1

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.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
YKSXSektmyżo-Nr 0,6/1 kV				
1762 001	7 x 1	11.9	103.3	247
1762 002	10 x 1	14.2	141.6	329
1762 003	12 x 1	14.6	162.3	357
1762 004	14 x 1	15.4	184.0	398
1762 005	16 x 1	16.1	205.8	436
1762 006	19 x 1	16.8	237.8	482
1762 007	24 x 1	19.3	294.8	597
1762 008	30 x 1	20.2	356.1	680
1762 009	37 x 1	21.6	429.0	787
1762 010	48 x 1	24.4	545.2	979
1762 011	61 x 1	26.4	677.9	1168
YKSXSektmyżo-Nr 0,6/1 kV				
1762 012	7 x 1,5	12.7	140.5	297
1762 013	10 x 1,5	15.4	193.6	405
1762 014	12 x 1,5	15.8	224.0	442
1762 015	14 x 1,5	16.5	255.7	487
1762 016	16 x 1,5	17.2	287.1	534
1762 017	19 x 1,5	18.0	333.8	596
1762 018	24 x 1,5	20.7	415.8	740
1762 019	30 x 1,5	21.8	506.5	856
1762 020	37 x 1,5	23.5	613.4	1010
1762 021	48 x 1,5	26.5	783.9	1252
1762 022	61 x 1,5	28.8	979.7	1518
YKSXSektmyżo-Nr 0,6/1 kV				
1762 023	7 x 2,5	13.8	212.0	382
1762 024	10 x 2,5	16.9	295.7	528

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	Copper index	Cable weight (appr.)
	mm ²	mm	kg/km	kg/km
YKSXSektmyżo-Nr 0,6/1 kV				
1762 025	12 x 2,5	17.4	345.7	583
1762 026	14 x 2,5	18.2	396.8	648
1762 027	16 x 2,5	19.2	448.3	725
1762 028	19 x 2,5	20.1	523.6	814
1762 029	24 x 2,5	23.2	655.5	1016
1762 030	30 x 2,5	24.4	804.4	1186
1762 031	37 x 2,5	26.1	979.3	1395
1762 032	48 x 2,5	29.7	1256.8	1759
YKSXSektmyżo-Nr 0,6/1 kV				
1762 033	7 x 4	15.4	318.4	515
1762 034	10 x 4	18.8	447.4	709
1762 035	12 x 4	19.5	526.2	800
1762 036	14 x 4	20.4	606.5	893
1762 037	16 x 4	21.4	687.5	994
YKSXSektmyżo-Nr 0,6/1 kV				
1762 038	7 x 6	16.9	458.9	673
1762 039	10 x 6	21.0	647.5	946
1762 040	12 x 6	21.6	765.0	1063
1762 041	14 x 6	22.6	884.1	1193
YKSXSektmyżo-Nr 0,6/1 kV				
1762 042	7 x 10	19.5	737.4	993
1762 043	10 x 10	24.4	1044.4	1403
YKSXSektmyżo-Nr 0,6/1 kV				
1762 044	7 x 16	22.2	1151.7	1427
1762 045	10 x 16	28.2	1635.0	2042

Other cross-sections and conductor counts available on request.

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