

YKSYektmyžo-Nr 0,6/1 kV, YKSYektmy-Nr 0,6/1 kV**PVC INSULATED AND 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

EMC
Electromagnetic
compatibility**APPLICATIONS**

YKSYektmyžo-Nr 0,6/1 kV and **YKSYektmy-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.

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 PVC insulation and white conductor number printed on it; a green-yellow protective conductor in the outer layer in **YKSYektmyžo-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

YKSYektmyžo-Nr-O 0,6/1 kV and **YKSYektmy-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.

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

YKSYektmyžo-Nr 0,6/1 kV, YKSYektmy-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	20 MΩ·km	Minimum bending radius	12 x cable diameter
Conductor temperature limit in work conditions	+ 70°C	Cable combustibility	flame retardant
Conductor temperature limit in short-circuit	+ 160°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Reference standards	IEC 60502-1, PN-93/E-90403, 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
YKSYektmyžo-Nr 0,6/1 kV				
0851 005	7 x 1	12.2	104.6	272
0851 006	10 x 1	14.6	143.1	364
0851 007	12 x 1	15.0	163.8	396
0851 008	14 x 1	15.8	185.6	443
0851 009	16 x 1	16.5	207.7	487
0851 010	19 x 1	17.3	239.7	541
0851 011	24 x 1	19.9	297.5	672
0851 012	30 x 1	20.9	359.1	773
0851 013	37 x 1	22.3	431.9	898
0851 014	48 x 1	25.3	548.9	1123
0851 015	61 x 1	27.5	681.7	1359
YKSYektmyžo-Nr 0,6/1 kV				
0851 001	7 x 1,5	13.0	141.7	324
0851 004	10 x 1,5	15.8	195.2	444
0851 003	12 x 1,5	16.2	225.8	486
0851 016	14 x 1,5	16.9	257.3	537
0851 017	16 x 1,5	17.7	289.2	594
0851 018	19 x 1,5	18.5	335.6	662
0851 019	24 x 1,5	21.3	418.2	824
0851 020	30 x 1,5	22.4	509.2	957
0851 021	37 x 1,5	24.2	616.2	1134
0851 022	48 x 1,5	27.5	787.3	1425
0851 023	61 x 1,5	29.7	983.2	1718
YKSYektmyžo-Nr 0,6/1 kV				
0851 002	7 x 2,5	14.1	213.0	412
0851 024	10 x 2,5	17.3	297.3	572

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
YKSYektmyžo-Nr 0,6/1 kV				
0851 025	12 x 2,5	17.8	347.2	634
0851 026	14 x 2,5	18.6	398.7	705
0851 027	16 x 2,5	19.7	450.2	795
0851 028	19 x 2,5	20.6	525.8	892
0851 029	24 x 2,5	23.8	658.0	1114
0851 030	30 x 2,5	25.1	807.4	1307
0851 031	37 x 2,5	27.0	982.0	1553
0851 032	48 x 2,5	30.7	1260.1	1960
YKSYektmyžo-Nr 0,6/1 kV				
0851 033	7 x 4	16.9	324.5	603
0851 034	10 x 4	21.0	455.5	845
0851 035	12 x 4	21.6	534.6	942
0851 036	14 x 4	22.6	615.3	1052
0851 037	16 x 4	23.9	696.8	1188
YKSYektmyžo-Nr 0,6/1 kV				
0851 038	7 x 6	18.4	464.7	770
0851 039	10 x 6	23.2	655.5	1098
0851 040	12 x 6	23.8	773.2	1230
0851 041	14 x 6	25.0	893.1	1383
YKSYektmyžo-Nr 0,6/1 kV				
0851 042	7 x 10	21.0	743.5	1106
0851 043	10 x 10	26.4	1052.3	1566
YKSYektmyžo-Nr 0,6/1 kV				
0851 044	7 x 16	23.9	1157.6	1569
0851 045	10 x 16	30.2	1642.9	2231

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