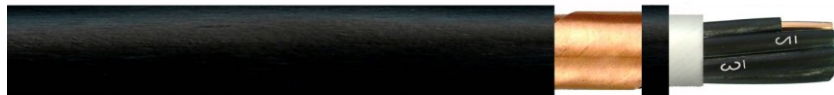


YKSYektmynżo-Nr 0,6/1 kV, YKSYektmyn-Nr 0,6/1 kV**PVC INSULATED AND SHEATHED, COPPER TAPE SHIELDED AND PVC OVERSHEATHED CONTROL CABLES****APPLICATIONS**

YKSYektmynżo-Nr 0,6/1 kV and **YKSYektmyn-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.

The cable sheath is then made of special self-extinguishing PVC of reduced combustibility and pass combustibility test according to EN 60332-3 standard.

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 **YKSYektmynżo-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

YKSYektmynżo-Nr-O 0,6/1 kV and **YKSYektmyn-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.

XnKSXSektmynżo-Nr 0,6/1 kV and **XnKSXSektmyn-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.

YKSYektmynżo-Nr 0,6/1 kV, YKSYektmyn-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	
Voltage test	4 kV rms	during operation	from - 30 to + 70°C
Insulation resistance, minimum	20 MΩ·km	during installation	from - 5 to + 50°C
Conductor temperature limit		Minimum bending radius	12 x cable diameter
in work conditions	+ 70°C	Cable combustibility	flame retardant
in short-circuit	+ 160°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		≥ 25 mm ²	PN-EN 60332-3-23, IEC 60332-3-23 (cat. B)
		< 25 mm ²	PN-EN 60332-3-24, IEC 60332-3-24 (cat. C)
		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
YKSYektmynżo-Nr 0,6/1 kV				
1759 001	7 x 1	12.2	104.6	272
1759 002	10 x 1	14.6	143.1	364
1759 003	12 x 1	15.0	163.8	396
1759 004	14 x 1	15.8	185.6	443
1759 005	16 x 1	16.5	207.7	487
1759 006	19 x 1	17.3	239.7	541
1759 007	24 x 1	19.9	297.5	672
1759 008	30 x 1	20.9	359.1	773
1759 009	37 x 1	22.3	431.9	898
1759 010	48 x 1	25.3	548.9	1123
1759 011	61 x 1	27.5	681.7	1359
YKSYektmynżo-Nr 0,6/1 kV				
1759 012	7 x 1,5	13.0	141.7	324
1759 013	10 x 1,5	15.8	195.2	444
1759 014	12 x 1,5	16.2	225.8	486
1759 015	14 x 1,5	16.9	257.3	537
1759 016	16 x 1,5	17.7	289.2	594
1759 017	19 x 1,5	18.5	335.6	662
1759 018	24 x 1,5	21.3	418.2	824
1759 019	30 x 1,5	22.4	509.2	957
1759 020	37 x 1,5	24.2	616.2	1134
1759 021	48 x 1,5	27.5	787.3	1425
1759 022	61 x 1,5	29.7	983.2	1718
YKSYektmynżo-Nr 0,6/1 kV				
1759 023	7 x 2,5	14.1	213.0	412
1759 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
YKSYektmynżo-Nr 0,6/1 kV				
1759 025	12 x 2,5	17.8	347.2	634
1759 026	14 x 2,5	18.6	398.7	705
1759 027	16 x 2,5	19.7	450.2	795
1759 028	19 x 2,5	20.6	525.8	892
1759 029	24 x 2,5	23.8	658.0	1114
1759 030	30 x 2,5	25.1	807.4	1307
1759 031	37 x 2,5	27.0	982.0	1553
1759 032	48 x 2,5	30.7	1260.1	1960
YKSYektmynżo-Nr 0,6/1 kV				
1759 033	7 x 4	16.9	324.5	603
1759 034	10 x 4	21.0	455.5	845
1759 035	12 x 4	21.6	534.6	942
1759 036	14 x 4	22.6	615.3	1052
1759 037	16 x 4	23.9	696.8	1188
YKSYektmynżo-Nr 0,6/1 kV				
1759 038	7 x 6	18.4	464.7	770
1759 039	10 x 6	23.2	655.5	1098
1759 040	12 x 6	23.8	773.2	1230
1759 041	14 x 6	25.0	893.1	1383
YKSYektmynżo-Nr 0,6/1 kV				
1759 042	7 x 10	21.0	743.5	1106
1759 043	10 x 10	26.4	1052.3	1566
YKSYektmynżo-Nr 0,6/1 kV				
1759 044	7 x 16	23.9	1157.6	1569
1759 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.