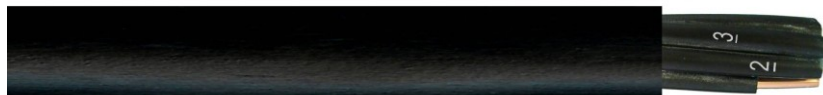


YKSYekwżo-Nr 0,6/1 kV, YKSYekw-Nr 0,6/1 kV**PVC INSULATED AND SHEATHED, TAPE SHIELDED CONTROL CABLES**Operating voltage
0,6/1 kVTest voltage
4 kVTemp. range
fixed installation
from - 30°C to + 70°CTemp. range
during installation
from - 5°C to + 50°CMulticore
12xDFlame retardant
PN-EN 60332-1-2Indoor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

Direct burial



UV resistance

EMC
Electromagnetic
compatibility**APPLICATIONS**

YKSYekwżo-Nr 0,6/1 kV and **YKSYekw-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.

The cables are protected by an overall electrostatic shield against external electric interferences and prevents emission of interferences produced in the cables.

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 **YnKSYekwżo-Nr 0,6/1 kV** cable,
- insulated conductors laid-up in layers,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and annealed tinned copper drain wire,
- black PVC cable covering, other colours also available.

AVAILABLE UPON REQUEST

YKSYekwżo-Nr-O 0,6/1 kV and **YKSYekw-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.

XnKSXSekwżo-Nr 0,6/1 kV and **XnKSXSekw-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.

Steel wire or **steel tape armoured cables** as above applied in locations where enhanced protection against mechanical damages is required.

YKSYekwżo-Nr 0,6/1 kV, YKSYekw-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 _o /U	0.6/1 kV	Temperature range during operation	from - 30 to + 70°C
Voltage test	4 kV rms	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
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
YKSYekwżo-Nr 0,6/1 kV				
0352 007	7 x 1	10.5	72.0	181
0352 008	10 x 1	12.9	100.8	244
0352 009	12 x 1	13.3	120.0	275
0352 002	14 x 1	13.9	139.2	309
0352 010	16 x 1	14.6	158.4	347
0352 011	19 x 1	15.4	187.2	393
0352 003	24 x 1	17.8	235.2	484
0352 012	30 x 1	18.8	292.8	578
0352 013	37 x 1	20.2	360.0	689
0352 014	48 x 1	23.2	465.6	881
0352 015	61 x 1	25.4	590.4	1093
YKSYekwżo-Nr 0,6/1 kV				
0352 001	7 x 1,5	11.3	108.0	226
0352 016	10 x 1,5	13.9	151.2	306
0352 017	12 x 1,5	14.3	180.0	348
0352 004	14 x 1,5	15.0	208.8	393
0352 018	16 x 1,5	15.8	237.6	442
0352 019	19 x 1,5	16.6	280.8	503
0352 020	24 x 1,5	19.2	352.8	621
0352 005	30 x 1,5	20.3	439.2	746
0352 006	37 x 1,5	22.1	540.0	906
0352 021	48 x 1,5	25.4	698.4	1155
0352 022	61 x 1,5	27.6	885.6	1426
YKSYekwżo-Nr 0,6/1 kV				
0352 023	7 x 2,5	12.4	175.2	301
0352 024	10 x 2,5	15.4	251.2	413

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
YKSYekwżo-Nr 0,6/1 kV				
0352 025	12 x 2,5	15.9	295.2	475
0352 026	14 x 2,5	16.7	343.2	539
0352 027	16 x 2,5	17.6	391.2	610
0352 028	19 x 2,5	18.5	463.2	698
0352 029	24 x 2,5	21.5	583.2	867
0352 030	30 x 2,5	23.0	727.2	1062
0352 031	37 x 2,5	24.7	895.2	1274
0352 032	48 x 2,5	28.6	1159.2	1649
YKSYekwżo-Nr 0,6/1 kV				
0352 033	7 x 4	15.0	276.0	449
0352 034	10 x 4	18.9	391.2	622
0352 035	12 x 4	19.5	468.0	717
0352 036	14 x 4	20.5	544.8	818
0352 037	16 x 4	21.6	621.6	930
YKSYekwżo-Nr 0,6/1 kV				
0352 038	7 x 6	16.5	410.4	595
0352 039	10 x 6	20.9	583.2	829
0352 040	12 x 6	21.5	698.4	970
0352 041	14 x 6	22.9	813.6	1112
YKSYekwżo-Nr 0,6/1 kV				
0352 042	7 x 10	18.9	679.2	883
0352 043	10 x 10	24.3	967.2	1251
YKSYekwżo-Nr 0,6/1 kV				
0352 044	7 x 16	21.6	1082.4	1289
0352 045	10 x 16	28.3	1543.2	1846

Other cross-sections and conductor counts available on request.

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