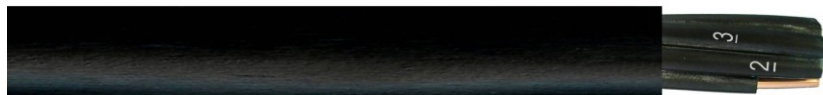


YnKSYekwżo-Nr 0,6/1 kV, YnKSYekw-Nr 0,6/1 kV**PVC INSULATED AND SHEATHED, TAPE SHIELDED CONTROL CABLES****APPLICATIONS**

YnKSYekwżo-Nr 0,6/1 kV and **YnKSYekw-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.

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 **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.

YnKSYekwżo-Nr 0,6/1 kV, YnKSYekw-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	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 PN-EN 60332-3-23, IEC 60332-3-23 (cat. B) 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
YnKSYekwżo-Nr 0,6/1 kV				
1097 004	7 x 1	10.5	72.0	181
1097 001	10 x 1	12.9	100.8	244
1097 013	12 x 1	13.3	120.0	275
1097 003	14 x 1	13.9	139.2	309
1097 005	16 x 1	14.6	158.4	347
1097 012	19 x 1	15.4	187.2	393
1097 014	24 x 1	17.8	235.2	484
1097 002	30 x 1	18.8	292.8	578
1097 015	37 x 1	20.2	360.0	689
1097 016	48 x 1	23.2	465.6	881
1097 017	61 x 1	25.4	590.4	1093
YnKSYekwżo-Nr 0,6/1 kV				
1097 008	7 x 1,5	11.3	108.0	226
1097 009	10 x 1,5	13.9	151.2	306
1097 018	12 x 1,5	14.3	180.0	348
1097 006	14 x 1,5	15.0	208.8	393
1097 019	16 x 1,5	15.8	237.6	442
1097 011	19 x 1,5	16.6	280.8	503
1097 010	24 x 1,5	19.2	352.8	621
1097 007	30 x 1,5	20.3	439.2	746
1097 020	37 x 1,5	22.1	540.0	906
1097 021	48 x 1,5	25.4	698.4	1155
1097 022	61 x 1,5	27.6	885.6	1426
YnKSYekwżo-Nr 0,6/1 kV				
1097 023	7 x 2,5	12.4	175.2	301
1097 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
YnKSYekwżo-Nr 0,6/1 kV				
1097 025	12 x 2,5	15.9	295.2	475
1097 026	14 x 2,5	16.7	343.2	539
1097 027	16 x 2,5	17.6	391.2	610
1097 028	19 x 2,5	18.5	463.2	698
1097 029	24 x 2,5	21.5	583.2	867
1097 030	30 x 2,5	23.0	727.2	1062
1097 031	37 x 2,5	24.7	895.2	1274
1097 032	48 x 2,5	28.6	1159.2	1649
YnKSYekwżo-Nr 0,6/1 kV				
1097 033	7 x 4	15.0	276.0	449
1097 034	10 x 4	18.9	391.2	622
1097 035	12 x 4	19.5	468.0	717
1097 036	14 x 4	20.5	544.8	818
1097 037	16 x 4	21.6	621.6	930
YnKSYekwżo-Nr 0,6/1 kV				
1097 038	7 x 6	16.5	410.4	595
1097 039	10 x 6	20.9	583.2	829
1097 040	12 x 6	21.5	698.4	970
1097 041	14 x 6	22.9	813.6	1112
YnKSYekwżo-Nr 0,6/1 kV				
1097 042	7 x 10	18.9	679.2	883
1097 043	10 x 10	24.3	967.2	1251
YnKSYekwżo-Nr 0,6/1 kV				
1097 044	7 x 16	21.6	1082.4	1289
1097 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.