

YKYekwżo 0,6/1 kV, YKYekw 0,6/1 kV**PVC INSULATED AND SHEATHED, TAPE SHIELDED POWER 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°CSingle-core
15xDMulticore
12xDFlame retardant
PN-EN 60332-1-2Indoor
applicationOutdoor
application

Direct burial



UV resistance

EMC
Electromagnetic
compatibility**APPLICATIONS**

YKYekwżo 0,6/1 kV and **YKYekw 0,6/1 kV** shielded power cables are designed for electric power transmission. They are also applied in power circuits in industrial plants and power stations and in local distribution networks.

The cables are suitable for indoor and outdoor installations, for laying in cable ducts and 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 PN-EN 60228 standard:
 - RE** - class 1 circular single-wire,
 - RM** - class 2 circular multi-wire,
 - SM** - class 2 sector shaped multi-wire,
- PVC insulation - colours in accordance with PN-HD 308 standard, green-yellow protective conductor in **YKYekwżo 0,6/1 kV** cable,
- insulated conductors laid-up in a cable core,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and annealed tinned copper drain wire,
- black PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

YKYekwżo-O 0,6/1 kV and **YKYekw-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.

XnKXSekwżo 0,6/1 kV and **XnKXSekw 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.

YKYekwžo 0,6/1 kV, YKYekw 0,6/1 kV
CHARACTERISTICS

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	
in work conditions	+ 70°C	single wire cables	15 x cable diameter
in short-circuit	+ 160°C	multi wire cables	12 x cable diameter
		Cable combustibility	flame retardant
		Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
		Reference standards	IEC 60502-1, PN-93/E-90401, 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.)	DC conductor resistance at 20°C, maximum	Copper index	Cable weight (appr.)
	mm ²	mm	Ω/km	kg/km	kg/km
YKYekw 0,6/1 kV					
0657 001	2x1 RE	8.1	18.1	31.6	89
0657 008	2x1,5 RE	8.6	12.1	43.6	104
0657 016	2x2,5 RE	9.4	7.41	62.8	129
0657 011	2x4 RE	11.1	4.61	95.8	182
0657 018	2x6 RE	12.1	3.08	134.2	229
0657 019	2x10 RE	13.7	1.83	211.0	319
0657 020	2x16 RE	15.5	1.15	331.0	444
YKYekwžo 0,6/1 kV					
0933 004	3x1 RE	8.5	18.1	41.2	107
0933 005	3x1,5 RE	9.0	12.1	58.0	127
0933 002	3x2,5 RE	9.8	7.41	86.8	162
0933 009	3x4 RE	11.7	4.61	134.2	234
0933 010	3x6 RE	12.8	3.08	191.8	301
0933 011	3x10 RE	14.5	1.83	307.0	430
0933 012	3x16 RE	16.4	1.15	484.6	610

Product No.	Number of conductors x conductor cross-section	Cable outer diameter (appr.)	DC conductor resistance at 20°C, maximum	Copper index	Cable weight (appr.)
	mm ²	mm	Ω/km	kg/km	kg/km
YKYekwžo 0,6/1 kV					
0933 013	4x1 RE	9.1	18.1	50.8	127
0933 014	4x1,5 RE	9.7	12.1	72.4	152
0933 001	4x2,5 RE	10.6	7.41	110.8	197
0933 015	4x4 RE	12.7	4.61	172.6	293
0933 016	4x6 RE	13.9	3.08	249.4	380
0933 017	4x10 RE	15.8	1.83	403.0	551
0933 018	4x16 RE	18.0	1.15	638.2	791
YKYekwžo 0,6/1 kV					
0933 019	5x1 RE	9.8	18.1	60.4	150
0933 020	5x1,5 RE	10.5	12.1	86.8	183
0933 008	5x2,5 RE	11.5	7.41	134.8	240
0933 021	5x4 RE	13.8	4.61	211.0	356
0933 022	5x6 RE	15.2	3.08	307.0	465
0933 023	5x10 RE	17.3	1.83	499.0	680
0933 024	5x16 RE	19.8	1.15	791.8	981

Other cross-sections and conductor counts available on request.

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