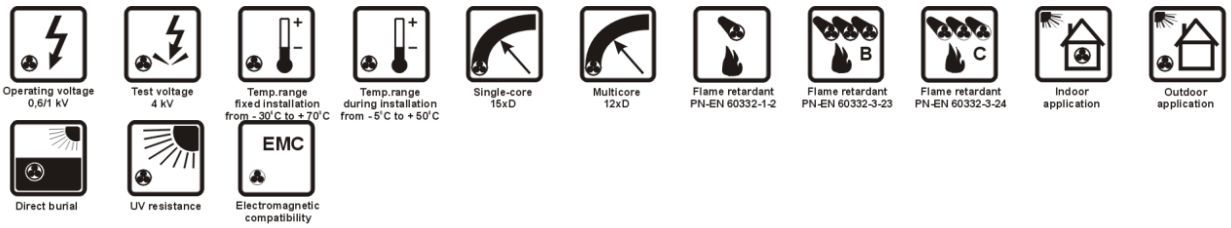
TECHNOKABEL®

CE RoHS

ISO 9001:2008

YnKYekwżo 0,6/1 kV, YnKYekw 0,6/1 kV

PVC INSULATED AND SHEATHED, TAPE SHIELDED POWER CABLES



APPLICATIONS

YnKYekwżo 0,6/1 kV and **YnKYekw 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.

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 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 **YnKYekwżo 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.

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CHARACTERISTICS

Operating voltage Uo/U	0.6/1 kV
Voltage test	4 kV rms
Insulation resistance, minimum	20 MΩ·km
Conductor temperature limit	
in work conditions	+ 70°C
in short-circuit	+ 160°C

Temperature range	
during operation	from - 30 to + 70°C
during installation	from - 5 to + 50°C
Minimum bending radius	
single wire cables	15 x cable diameter
multi wire cables	12 x cable diameter
Cable combustibility	flame retardant
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-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
YnKYekw 0,6/1 kV					
0983 002	2x1 RE	8.1	18.1	31.6	89
0983 001	2x1,5 RE	8.6	12.1	43.6	104
0983 007	2x2,5 RE	9.4	7.41	62.8	129
0983 008	2x4 RE	11.1	4.61	95.8	182
0983 009	2x6 RE	12.1	3.08	134.2	229
0983 010	2x10 RE	13.7	1.83	211.0	319
0983 011	2x16 RE	15.5	1.15	331.0	444
YnKYekwżo 0,6/1 kV					
1237 005	3x1 RE	8.5	18.1	41.2	107
1237 006	3x1,5 RE	9.0	12.1	58.0	127
1237 002	3x2,5 RE	9.8	7.41	86.8	162
1237 007	3x4 RE	11.7	4.61	134.2	234
1237 008	3x6 RE	12.8	3.08	191.8	301
1237 009	3x10 RE	14.5	1.83	307.0	430
1237 010	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
1237 001	4x1 RE	9.1	18.1	50.8	127
1237 011	4x1,5 RE	9.7	12.1	72.4	152
1237 004	4x2,5 RE	10.6	7.41	110.8	197
1237 012	4x4 RE	12.7	4.61	172.6	293
1237 013	4x6 RE	13.9	3.08	249.4	380
1237 014	4x10 RE	15.8	1.83	403.0	551
1237 015	4x16 RE	18.0	1.15	638.2	791
YnKYekwżo 0,6/1 kV					
1237 016	5x1 RE	9.8	18.1	60.4	150
1237 003	5x1,5 RE	10.5	12.1	86.8	183
1237 017	5x2,5 RE	11.5	7.41	134.8	240
1237 018	5x4 RE	13.8	4.61	211.0	356
1237 019	5x6 RE	15.2	3.08	307.0	465
1237 020	5x10 RE	17.3	1.83	499.0	680
1237 021	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.