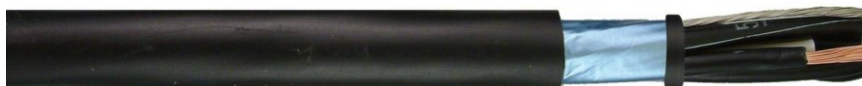


TECHNOKONTROL YKSLXSekw-Nr 300/500 V
TECHNOKONTROL YKSLXSekwżo-Nr 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

TECHNOKONTROL YKSLXSekw-Nr 300/500 V and **TECHNOKONTROL YKSLXSekwżo-Nr 300/500 V** are overall shielded cables intended for control, protection and monitoring systems, also for power supply, all in power engineering.

Small mutual capacitance and higher, up to 90°C, operating temperature limit of conductors is offered due to application of cross-linked polyethylene insulation.

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

The cables are suitable for indoor installations connecting fixed and movable equipment.

Cable outer sheath is oil-resistant.

CONSTRUCTION

- flexible, multiwire conductors, stranded of bare annealed copper wires (tin-plated on request), meeting requirements of class 5 per PN-EN 60228,
- black cross-linked polyethylene (XLPE) insulation and white conductor number printed on it,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **YKSLXSekwżo-Nr 300/500 V** cable,
- cable core wrapped in polyester tape,
- overall electrostatic shield incorporating aluminium-polyester tape and stranded annealed tinned copper drain wire,
- black (RAL 9005) PVC cable sheath, other colours also available.

AVAILABLE UPON REQUEST

TECHNOKONTROL YKSLXSekw-Nr-O 300/500 V and **TECHNOKONTROL YKSLXSekwżo-Nr-O 300/500 V** - 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.

TECHNOKONTROL HKSLXSekw-Nr 300/500 V and **TECHNOKONTROL HKSLXSekwżo-Nr 300/500 V** - 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.

TECHNOKONTROL YvKSLXSekw-Nr 300/500 V and **TECHNOKONTROL YvKSLXSekwżo-Nr 300/500 V** - cables with enhanced PVC sheath, suitable for outdoor installation and direct earth burial.

TECHNOKONTROL YKSLXSekw-Nr 300/500 V **TECHNOKONTROL YKSLXSekwżo-Nr 300/500 V**

CHARACTERISTICS

Conductor cross-section	mm ²	0.5	0.75	1.0	1.5	2.5	4.0
DC conductor resistance at 20°C, maximum	Ω/km	39.0	26.0	19.5	13.3	7.98	4.95
Capacitance between conductors at 1 kHz, appr.	nF/km	60	60	60	70	70	80
Conductor cross-section	mm ²	6.0	10	16	25	35	50
DC conductor resistance at 20°C, maximum	Ω/km	3.30	1.91	1.21	0.780	0.554	0.386
Capacitance between conductors at 1 kHz, appr.	nF/km	80	80	80	80	80	80

Operating voltage U ₀ /U	300/500 V	Operating temperature range	
Voltage test	3.0 kV rms	for fixed installation	from - 30 to + 80°C
Insulation resistance, minimum	100 MΩ·km	for movable installation	from - 5 to + 70°C
Inductance, approximate	0.7 mH/km	Minimum bending radius	10 x cable diameter
Conductor temperature limit		Cable combustibility	flame retardant
in work conditions	+ 90°C	Combustibility tests	PN-EN 60332-1-2, IEC 60332-1-2
at short-circuit	+ 250°C		

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.)	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		mm ²	mm	kg/km	kg/km
1094 010	2 x 0,5	5.2	12.0	33	1094 042	10 x 1,0	10.7	100.8	159
1094 011	3 x 0,5	5.5	16.8	40	1094 043	12 x 1,0	11.1	120.0	183
1094 012	4 x 0,5	6.0	21.6	48	1094 001	16 x 1,0	12.5	158.4	240
1094 013	5 x 0,5	6.5	26.4	58	1094 044	20 x 1,0	13.8	196.8	297
1094 014	6 x 0,5	7.1	31.2	69	1094 045	25 x 1,0	15.9	244.8	371
1094 015	7 x 0,5	7.1	36.0	70					
1094 016	10 x 0,5	8.9	50.4	95	1094 046	2 x 1,5	6.5	36.0	59
1094 017	12 x 0,5	9.2	60.0	109	1094 008	3 x 1,5	6.8	50.4	76
1094 018	16 x 0,5	10.6	79.2	149	1094 002	4 x 1,5	7.5	64.8	93
1094 019	20 x 0,5	11.7	98.4	184	1094 005	5 x 1,5	8.2	79.2	115
1094 020	25 x 0,5	13.5	122.4	231	1094 047	6 x 1,5	8.9	93.6	137
1094 021	32 x 0,5	14.7	156.0	283	1094 004	7 x 1,5	8.9	108.0	144
1094 022	37 x 0,5	15.3	180.0	310	1094 048	10 x 1,5	12.0	151.2	216
1094 023	40 x 0,5	15.8	194.4	333	1094 049	12 x 1,5	12.4	180.0	249
					1094 050	16 x 1,5	13.8	237.6	320
1094 007	2 x 0,75	5.6	19.2	40	1094 051	20 x 1,5	15.5	295.2	405
1094 024	3 x 0,75	5.9	26.4	50	1094 052	25 x 1,5	17.6	367.2	495
1094 025	4 x 0,75	6.4	33.6	60					
1094 026	5 x 0,75	7.0	40.8	74	1094 009	2 x 2,5	7.3	55.2	80
1094 027	6 x 0,75	7.6	48.0	87	1094 053	3 x 2,5	7.8	79.2	105
1094 028	7 x 0,75	7.6	55.2	89	1094 054	4 x 2,5	8.5	103.2	131
1094 029	10 x 0,75	10.0	76.8	132	1094 055	5 x 2,5	9.8	127.2	173
1094 030	12 x 0,75	10.3	91.2	149	1094 056	6 x 2,5	10.6	151.2	206
1094 031	16 x 0,75	11.4	120.0	190	1094 057	7 x 2,5	10.6	175.2	218
1094 032	20 x 0,75	12.9	148.8	242	1094 058	10 x 2,5	13.7	247.2	310
1094 033	25 x 0,75	14.8	184.8	302	1094 059	12 x 2,5	14.4	295.2	366
1094 034	32 x 0,75	15.9	235.2	363	1094 060	14 x 2,5	15.1	343.2	417
1094 035	34 x 0,75	16.5	249.6	391	1094 061	16 x 2,5	16.0	391.2	474
1094 036	2 x 1,0	5.9	24.0	46	1094 062	4 x 4,0	10.1	163.2	196
1094 037	3 x 1,0	6.3	33.6	59	1094 063	5 x 4,0	11.1	201.6	244
1094 038	4 x 1,0	6.8	43.2	72	1094 064	7 x 4,0	12.3	278.4	319
1094 039	5 x 1,0	7.5	52.8	88					
1094 040	6 x 1,0	8.1	62.4	104	1094 065	3 x 6,0	10.6	182.4	215
1094 041	7 x 1,0	8.1	72.0	108	1094 066	4 x 6,0	11.7	240.0	274

TECHNOKONTROL YKSLXSekw-Nr 300/500 V
TECHNOKONTROL YKSLXSekwżo-Nr 300/500 V

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
1094 067	5 x 6,0	13.0	297.6	350
1094 068	7 x 6,0	14.5	412.8	462
1094 069	3 x 10,0	13.4	297.6	355
1094 070	4 x 10,0	15.0	393.6	464
1094 071	5 x 10,0	16.5	489.6	582
1094 072	7 x 10,0	18.1	681.6	763
1094 073	3 x 16,0	16.0	475.2	537
1094 074	4 x 16,0	17.6	628.8	693
1094 075	5 x 16,0	19.6	782.4	884
1094 076	7 x 16,0	21.5	1089.6	1167

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
1094 077	3 x 25,0	18.7	734.4	771
1094 078	4 x 25,0	20.7	974.4	1002
1094 079	5 x 25,0	23.0	1214.4	1276
1094 080	3 x 35,0	22.0	1022.4	1060
1094 081	4 x 35,0	24.6	1358.4	1392
1094 082	5 x 35,0	27.2	1694.4	1766
1094 083	3 x 50,0	27.6	1464.0	1554
1094 084	4 x 50,0	30.8	1944.0	2046
1094 085	5 x 50,0	34.1	2424.0	2600

Other cross-sections and conductor counts available on request.

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