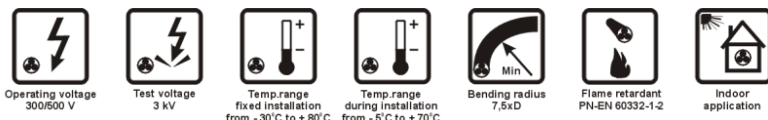


YStY 300/500 V
YStYżo 300/500 V**CONTROL AND POWER SUPPLY FLEXIBLE CABLES****APPLICATIONS**

YStY 300/500 V and **YStYżo 300/500 V** are flexible cables intended for control, protection and monitoring systems or power supply, all in power engineering. The cables are also intended for wiring industrial plants, such as production lines, air-conditioning equipment etc.

The cables are suitable for connecting fixed and movable equipment in dry or wet locations.

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 PVC insulation and white conductor numbers printed on it for identification,
- insulated conductors laid-up in layers, green-yellow protective conductor located in the outer layer in **YStYżo 300/500 V** cable,
- PVC cable sheath, grey RAL 7001, other colours also available.

AVAILABLE UPON REQUEST

YStY-O 300/500 V and **YStYżo-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.

YnStY 300/500 V and **YnStYżo 300/500 V** - cables of reduced combustibility, sheathed with special self-extinguishing PVC of high oxygen index and pass combustibility test according to PN-EN 60332-3 standard.

YStY 300/500 V

YStYżo 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
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

Operating voltage U_o/U 300/500 V
Voltage test 3.0 kV rms
Insulation resistance, minimum 20 MΩ·km
Conductor temperature limit
in work conditions + 70°C
at short-circuit + 150°C

Operating temperature range
for fixed installation from - 30 to + 80°C
for movable installation from - 5 to + 70°C
Minimum bending radius 7.5 x cable diameter
Cable combustibility flame retardant
Combustibility tests PN-EN 60332-1-2, IEC 60332-1-2
Reference standards WT-91/K-376

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
0408 083	2 x 0,5	4.6	9.6	31
0408 063	3 x 0,5	4.9	14.4	37
0408 001	4 x 0,5	5.3	19.2	45
0408 064	5 x 0,5	5.8	24.0	55
0408 084	6 x 0,5	6.3	28.8	65
0408 085	7 x 0,5	6.3	33.6	67
0408 025	10 x 0,5	7.9	48.0	94
0408 086	12 x 0,5	8.2	57.6	107
0408 026	14 x 0,5	8.6	67.2	121
0408 087	16 x 0,5	9.1	76.8	137
0408 088	19 x 0,5	10.0	91.2	164
0408 089	21 x 0,5	10.5	100.8	181
0408 002	24 x 0,5	11.6	115.2	205
0408 090	27 x 0,5	12.1	129.6	229
0408 091	30 x 0,5	12.5	144.0	250
0408 092	36 x 0,5	13.5	172.8	296
0408 093	37 x 0,5	13.5	177.6	298
0408 065	40 x 0,5	14.2	192.0	328
0408 094	44 x 0,5	15.3	211.2	359
0408 095	48 x 0,5	15.6	230.4	385
0408 096	52 x 0,5	16.0	249.6	411
0408 097	56 x 0,5	16.5	268.8	441
0408 098	60 x 0,5	17.0	288.0	470
0408 099	2 x 0,75	5.0	14.4	39
0408 003	3 x 0,75	5.2	21.6	46
0408 004	4 x 0,75	5.7	28.8	56
0408 005	5 x 0,75	6.2	36.0	68
0408 066	6 x 0,75	6.8	43.2	82
0408 006	7 x 0,75	6.8	50.4	86
0408 007	10 x 0,75	8.6	72.0	121
0408 027	12 x 0,75	8.9	86.4	138
0408 041	14 x 0,75	9.8	100.8	165

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
0408 058	16 x 0,75	10.3	115.2	186
0408 040	19 x 0,75	10.9	136.8	213
0408 100	21 x 0,75	11.4	151.2	235
0408 008	24 x 0,75	12.9	172.8	272
0408 101	27 x 0,75	13.2	194.4	298
0408 102	30 x 0,75	13.6	216.0	325
0408 103	36 x 0,75	14.9	259.2	393
0408 104	37 x 0,75	14.9	266.4	397
0408 105	40 x 0,75	15.5	288.0	429
0408 106	44 x 0,75	16.7	316.8	469
0408 107	48 x 0,75	17.0	345.6	504
0408 108	52 x 0,75	17.5	374.4	541
0408 109	56 x 0,75	18.0	403.2	579
0408 110	60 x 0,75	18.8	432.0	628
0408 111	2 x 1,0	5.3	19.2	45
0408 009	3 x 1,0	5.6	28.8	56
0408 010	4 x 1,0	6.2	38.4	69
0408 011	5 x 1,0	6.7	48.0	84
0408 061	6 x 1,0	7.3	57.6	100
0408 012	7 x 1,0	7.3	67.2	106
0408 013	10 x 1,0	9.3	96.0	150
0408 014	12 x 1,0	10.1	115.2	181
0408 015	14 x 1,0	10.6	134.4	205
0408 038	16 x 1,0	11.1	153.6	232
0408 049	19 x 1,0	12.0	182.4	271
0408 039	21 x 1,0	12.6	201.6	299
0408 042	24 x 1,0	14.2	230.4	346
0408 062	27 x 1,0	14.5	259.2	379
0408 112	30 x 1,0	15.0	288.0	414
0408 113	36 x 1,0	16.2	345.6	492
0408 114	37 x 1,0	16.2	355.2	498
0408 032	40 x 1,0	16.8	384.0	538

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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
0408 115	44 x 1,0	18.4	422.4	597
0408 116	48 x 1,0	18.7	460.8	642
0408 117	52 x 1,0	19.2	499.2	688
0408 067	56 x 1,0	19.8	537.6	739
0408 118	60 x 1,0	20.4	576.0	789
0408 119	2 x 1,5	5.9	28.8	59
0408 016	3 x 1,5	6.2	43.2	72
0408 021	4 x 1,5	6.8	57.6	90
0408 017	5 x 1,5	7.5	72.0	111
0408 120	6 x 1,5	8.1	86.4	132
0408 018	7 x 1,5	8.1	100.8	140
0408 019	10 x 1,5	10.8	144.0	210
0408 020	12 x 1,5	11.2	172.8	240
0408 028	14 x 1,5	12.0	201.6	279
0408 121	16 x 1,5	12.6	230.4	315
0408 047	19 x 1,5	13.3	273.6	362
0408 068	21 x 1,5	14.2	302.4	407
0408 031	24 x 1,5	15.8	345.6	462
0408 122	27 x 1,5	16.1	388.8	508
0408 123	30 x 1,5	16.7	432.0	557
0408 124	36 x 1,5	18.1	518.4	664
0408 125	37 x 1,5	18.1	532.8	672
0408 069	40 x 1,5	19.0	576.0	735
0408 126	44 x 1,5	20.5	633.6	805
0408 127	48 x 1,5	20.9	691.2	867
0408 128	52 x 1,5	21.5	748.8	932
0408 129	56 x 1,5	22.1	806.4	1000
0408 130	60 x 1,5	23.0	864.0	1079
0408 131	2 x 2,5	6.7	48.0	82
0408 035	3 x 2,5	7.1	72.0	104
0408 034	4 x 2,5	7.8	96.0	130
0408 036	5 x 2,5	8.6	120.0	162
0408 132	6 x 2,5	9.8	144.0	202
0408 043	7 x 2,5	9.8	168.0	216
0408 044	10 x 2,5	12.7	240.0	313
0408 048	12 x 2,5	13.2	288.0	361
0408 056	14 x 2,5	13.9	336.0	412
0408 133	16 x 2,5	14.8	384.0	474
0408 134	19 x 2,5	15.7	456.0	546
0408 135	21 x 2,5	16.5	504.0	605
0408 136	24 x 2,5	18.6	576.0	695
0408 137	27 x 2,5	19.0	648.0	766

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
0408 138	30 x 2,5	19.7	720.0	841
0408 139	36 x 2,5	21.3	864.0	1004
0408 140	37 x 2,5	21.3	888.0	1018
0408 141	40 x 2,5	22.1	960.0	1102
0408 142	44 x 2,5	24.2	1056.0	1218
0408 143	48 x 2,5	24.6	1152.0	1314
0408 144	52 x 2,5	25.3	1248.0	1413
0408 145	56 x 2,5	26.1	1344.0	1518
0408 146	60 x 2,5	26.9	1440.0	1625
0408 147	2 x 4,0	8.1	76.8	123
0408 070	3 x 4,0	8.6	115.2	157
0408 071	4 x 4,0	9.9	153.6	205
0408 072	5 x 4,0	10.9	192.0	255
0408 073	7 x 4,0	12.1	268.8	333
0408 148	3 x 6,0	10.4	172.8	235
0408 074	4 x 6,0	11.5	230.4	296
0408 149	5 x 6,0	12.8	288.0	374
0408 075	7 x 6,0	14.3	403.2	491
0408 150	3 x 10,0	13.2	288.0	396
0408 076	4 x 10,0	14.8	384.0	507
0408 077	5 x 10,0	16.3	480.0	632
0408 078	7 x 10,0	17.9	672.0	824
0408 151	3 x 16,0	15.8	460.8	603
0408 079	4 x 16,0	17.4	614.4	763
0408 080	5 x 16,0	19.4	768.0	961
0408 152	7 x 16,0	21.3	1075.2	1260
0408 153	3 x 25,0	18.5	720.0	872
0408 081	4 x 25,0	20.5	960.0	1110
0408 082	5 x 25,0	22.8	1200.0	1396
0408 154	3 x 35,0	21.8	1008.0	1213
0408 155	4 x 35,0	24.4	1344.0	1557
0408 156	5 x 35,0	27.0	1680.0	1950
0408 157	3 x 50,0	27.4	1440.0	1806
0408 158	4 x 50,0	30.4	1920.0	2296
0408 159	5 x 50,0	33.9	2400.0	2896

Other cross-sections and conductor counts available on request.
TECHNOKABEL S.A. reserves the right to change specifications without prior notice.