

YSLY 1kV

Power and control cable, flexible, 0,6/1 kV
+70 °C service temperature, UV resistant
EN 50575

Application

Flexible power, process control and instrumentation cable for industry, machinery and outdoor environment. The cable is resistant to UV-irradiation, to most commonly used chemicals and to oil and grease. For fixed installation or flexible applications, with free movement without forced motion and without tensile stress. Not suitable for constant motion.

Construction



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|----------------------|--|--|
| 1. Conductor: | Copper conductor, bare, flexible (class 5) | |
| 2. Insulation: | PVC | |
| Core identification: | -JZ: numbered, with green/yellow core | -OZ: numbered, without green/yellow core |
| | -JB: coloured, with green/yellow core | -OB: coloured, without green/yellow core |
| 3. Sheath: | PVC, black | |

Technical information

Nominal voltage	U_0/U	0,6/1 kV
Test voltage		4000 V
Max. permissible temperature at conductor		70 °C
Min. operating temperature	fixed installation	-40 °C
	occasional flexing	-5 °C
Min. temperature during installation		-5 °C
Bending radius	fixed installation	4 x outer diameter in mm
	occasional flexing	8 x outer diameter in mm
Safety parameters		
Reaction to fire		EN 50399 E _{ca}
Flame spread	single cable	IEC 60332-1-2
Additional parameters		
Ozone resistance		EN 50811-104

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N° of cores and size mm ²	Outer-diameter approx. mm	Cable weight approx. kg/km
2 x 0,5	6,3	55
3 G 0,5	6,7	65
4 G 0,5	7,2	76
5 G 0,5	8,0	94
7 G 0,5	8,9	136
12 G 0,5	11,4	197
18 G 0,5	13,8	280
25 G 0,5	16,4	387
2 x 0,75	6,6	62
3 G 0,75	7,0	73
4 G 0,75	7,6	89
5 G 0,75	8,4	111
7 G 0,75	9,3	140
12 G 0,75	12,3	240
18 G 0,75	14,5	340
25 G 0,75	17,4	475
2 x 1	7,0	73
3 G 1	7,3	83
4 G 1	8,2	108
5 G 1	9,2	136
7 G 1	9,9	166
12 G 1	13,0	281
18 G 1	15,7	405
25 G 1	18,8	554
2 x 1,5	8,2	99
3 G 1,5	8,6	110
4 G 1,5	9,6	140
5 G 1,5	10,7	170
7 G 1,5	11,6	220
12 G 1,5	15,5	412
18 G 1,5	18,6	546
25 G 1,5	22,1	771
2 x 2,5	9,4	141
3 G 2,5	10,0	175
4 G 2,5	11,0	220
5 G 2,5	12,5	251
7 G 2,5	13,7	331
12 G 2,5	18,3	553
18 G 2,5	22,0	788
25 G 2,5	25,8	1.100

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N° of cores and size mm ²	Outer-diameter approx. mm	Cable weight approx. kg/km
2 x 4	11,4	199
3 G 4	12,3	230
4 G 4	13,7	310
5 G 4	15,2	400
7 G 4	16,7	501
12 G 4	22,0	840
3 G 6	14,0	347
4 G 6	15,5	428
5 G 6	17,3	583
7 G 6	19,1	663
4 G 10	18,2	668
5 G 10	20,4	820
7 G 10	22,4	1.050
4 G 16	21,6	1.109
5 G 16	24,7	1.616
7 G 16	26,2	1.798
4 G 25	26,4	1.623
5 G 25	29,2	2.075
7 G 25	32,2	2.950
4 G 35	29,1	2.415
5 G 35	32,5	2.890
4 G 50	35,6	3.390
5 G 50	37,9	3.428
4 G 70	40,7	4.320
5 G 70	45,7	5.807
4 G 95	46,2	6.000
5 G 95	52,8	7.500
4 G 120	52,0	7.500

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.