We Make Modern
Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

YSLY-JZ or -OZ

PVC control cable, unscreened

As flexible control and connecting cable for fixed laying and flexible applications without tensile stress and/or without guided movements. Applicable in dry, damp and wet rooms, for medium mechanical stress, but not for outdoor use.



TECHNICAL DATA

Standard
Based on VDE 0281

Test Voltage
4000 V / 50 Hz

Rated Voltage
300/500 V (Uo/U)

Bending radius (min.)
Fixed installation: 4 x Ø of cable
Flexible use: 15 x Ø of cable

Fire properties
EN 60332-1-2: self-extinguishing and flame retardant
CPR classification: Eca

Core identification
Black (continuously numbered), with green/yellow ground conductor from 3 cores (JZ) or without (OZ)

Temperature range
Fixed installation: -40°C up to 80°C
Flexible use: -5°C up to 70°C

DESIGN



1. Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
2. Core insulation of special compound based on polyvinyl chloride (PVC)
3. Cores are stranded in layers with optimal lay-length
4. Outer sheath of special compound based on polyvinyl chloride (PVC), colour: grey (RAL 7001) or black (RAL 9005)

Number of cores x nominal cross-section (mm^2)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
2 x 0.5	4.8	9.7	36
3 x 0.5	5.0	14.4	42
4 x 0.5	5.7	19.2	55
5 x 0.5	6.2	24.0	65
7 x 0.5	6.7	33.6	81
10 x 0.5	8.8	48.0	129
12 x 0.5	9.0	58.0	142
14 x 0.5	9.5	67.0	158
16 x 0.5	10.0	76.0	176
18 x 0.5	10.7	86.4	202
21 x 0.5	11.3	101.0	229
25 x 0.5	12.9	120.0	284
30 x 0.5	13.5	144.0	330
34 x 0.5	14.5	163.0	375
40 x 0.5	15.0	192.0	410
50 x 0.5	17.0	240.0	520
61 x 0.5	19.6	293.0	620
2 x 0.75	5.2	14.4	44
3 x 0.75	5.4	21.6	53
4 x 0.75	6.2	29.0	68
5 x 0.75	6.8	36.0	83
6 x 0.75	7.0	43.0	99
7 x 0.75	7.3	50.0	104
10 x 0.75	9.6	72.0	165
12 x 0.75	9.9	86.0	183
16 x 0.75	11.4	115.0	240
18 x 0.75	11.9	130.0	267
21 x 0.75	12.8	151.0	303
25 x 0.75	14.3	180.0	376
34 x 0.75	16.3	245.0	496
41 x 0.75	18.3	296.0	620
50 x 0.75	19.2	360.0	698
61 x 0.75	20.5	439.0	790
2 x 1	5.5	19.2	51
3 x 1	5.9	29.0	64
4 x 1	6.5	38.4	80
5 x 1	7.2	48.0	99
7 x 1	8.0	67.0	127
10 x 1	9.4	96.0	200
12 x 1	10.0	115.0	223
14 x 1	11.4	134.0	249
16 x 1	12.0	154.0	286
18 x 1	12.7	173.0	316
21 x 1	13.6	205.0	369

Number of cores x nominal cross-section (mm^2)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
25 x 1	14.5	240.0	456
30 x 1	16.4	308.0	530
34 x 1	17.4	326.0	591
50 x 1	20.9	480.0	855
61 x 1	24.0	586.0	1050
2 x 1.5	6.3	28.8	69
3 x 1.5	6.6	43.0	84
4 x 1.5	7.3	58.0	105
5 x 1.5	8.2	72.0	132
6 x 1.5	8.5	86.0	158
7 x 1.5	8.9	101.0	168
10 x 1.5	11.6	144.0	263
12 x 1.5	12.0	173.0	294
14 x 1.5	12.8	202.0	336
16 x 1.5	13.5	230.0	377
18 x 1.5	14.4	259.0	426
21 x 1.5	15.2	302.0	488
25 x 1.5	17.5	360.0	612
32 x 1.5	18.5	461.0	700
34 x 1.5	19.7	490.0	795
42 x 1.5	22.2	605.0	999
50 x 1.5	23.6	720.0	1148
2 x 2.5	7.6	48.0	106
3 x 2.5	8.1	72.0	132
4 x 2.5	9.0	96.0	167
5 x 2.5	10.1	120.0	211
2 x 4	9.0	76.8	138
3 x 4	9.9	115.0	205
4 x 4	11.2	154.0	263
5 x 4	12.6	192.0	332
3 x 6	11.2	173.0	278
4 x 6	12.6	230.0	358
5 x 6	14.1	288.0	453
4 x 10	16.5	384.0	620
5 x 10	18.4	480.0	778
4 x 16	19.6	614.0	938
5 x 16	21.9	768.0	1178
4 x 25	27.0	960.0	1590
5 x 25	30.0	1200.0	1954
4 x 35	29.0	1344.0	2113
5 x 35	33.0	1680.0	2635
4 x 50	35.0	1920.0	2950

Technical changes reserved. All figures are therefore without guarantee.



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