We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

YSLYCY-JZ or -OZ 0.6/1 kV

PVC control cable, screened

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, especially when excellent EMC characterics are requested. Due to UV resistant PVC sheath suitable for outdoor applications.



TECHNICAL DATA

Standard
Based on VDE 0281

Test Voltage
4000 V / 50 Hz

Rated Voltage
0.6/1 kV (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

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. Inner sheath of special compound based on polyvinyl chloride (PVC)
5. Tinned copper wire braiding
6. Outer sheath of special compound based on polyvinyl chloride (PVC), colour: 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	8.3	30	107
3 x 0.5	8.6	39	118
4 x 0.5	9.2	52	135
5 x 0.5	9.8	61	153
7 x 0.5	10.9	75	190
12 x 0.5	13.7	130	289
18 x 0.5	15.6	170	372
25 x 0.5	18.0	230	476
2 x 0.75	8.7	39	119
3 x 0.75	9.1	57	134
4 x 0.75	9.7	68	154
5 x 0.75	10.5	79	180
7 x 0.75	11.7	96	224
12 x 0.75	14.8	169	340
18 x 0.75	17.4	224	472
25 x 0.75	20.7	292	646
2 x 1	8.9	52	128
3 x 1	9.3	67	145
4 x 1	9.9	78	167
5 x 1	10.8	94	196
7 x 1	12.0	122	245
12 x 1	15.2	201	376
18 x 1	17.9	275	520
25 x 1	21.5	364	728
2 x 1.5	9.9	68	157
3 x 1.5	10.4	84	182
4 x 1.5	11.3	104	217
5 x 1.5	12.4	123	257
7 x 1.5	13.7	180	323
12 x 1.5	17.9	284	515
18 x 1.5	20.8	390	705
25 x 1.5	24.8	521	965
2 x 2.5	11.5	99	248
3 x 2.5	12.4	124	261
4 x 2.5	13.5	170	316
5 x 2.5	14.7	202	371
7 x 2.5	16.0	268	457
12 x 2.5	21.0	423	730
18 x 2.5	24.8	572	1050
25 x 2.5	29.8	740	1425
2 x 4	13.2	156	290
3 x 4	13.8	191	338
4 x 4	15.1	236	407
5 x 4	16.5	303	483

Number of cores x nominal cross-section (mm^2)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
4 x 6	16.8	319	521
5 x 6	18.8	421	641
4 x 10	21.2	576	866
4 x 16	24.2	807	1200
4 x 25	30.5	1169	1820
4 x 35	33.9	1686	2399
4 x 50	39.1	2374	3273

Technical changes reserved. All figures are therefore without guarantee.

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