



We Make Modern
Life Possible

AUTOMATION AND MOTOR SUPPLY CABLES

YSLYCY-JZ or -OZ 0.6/1 kV

PVC control cable, screened



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 ϕ of cable
Flexible use: 15 x ϕ 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

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