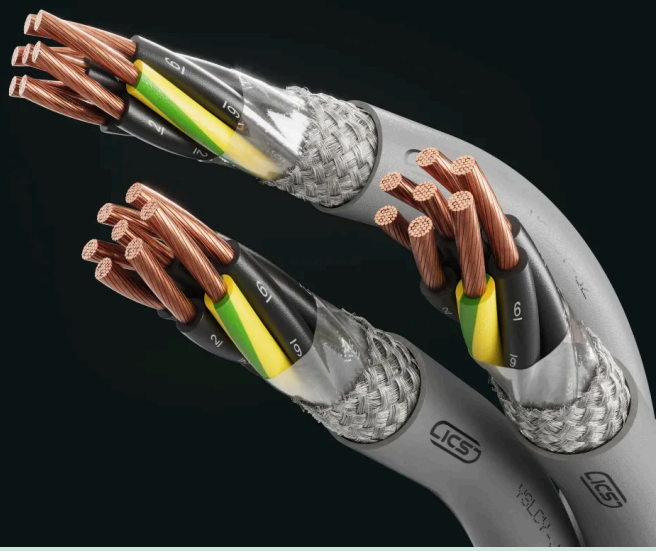
We Make Modern Life Possible.

AUTOMATION AND MOTOR SUPPLY CABLES

YSLCY-JZ or -OZ

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 characteristics are requested. Applicable 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. Wrapping with plastic tape
5. Tinned copper wire braiding
6. 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	5.6	36	45
3 x 0.5	6.1	43	56
4 x 0.5	6.7	49	68
5 x 0.5	7.3	57	80
7 x 0.5	7.9	59	100
10 x 0.5	9.5	92	143
12 x 0.5	10.4	104	160
14 x 0.5	11.0	116	180
16 x 0.5	11.5	129	202
21 x 0.5	12.8	159	252
25 x 0.5	14.5	211	318
30 x 0.5	15.3	238	363
34 x 0.5	16.3	270	420
40 x 0.5	17.3	297	465
50 x 0.5	19.6	362	575
61 x 0.5	20.8	424	675
2 x 0.75	6.5	43	63
3 x 0.75	7.0	52	65
4 x 0.75	9.5	61	79
5 x 0.75	7.6	72	95
7 x 0.75	8.2	89	120
8 x 0.75	9.0	100	134
10 x 0.75	10.5	121	168
12 x 0.75	10.9	138	190
16 x 0.75	12.1	174	241
18 x 0.75	12.7	211	268
21 x 0.75	13.7	237	319
25 x 0.75	15.2	280	377
34 x 0.75	17.0	357	497
44 x 0.75	19.2	448	600
50 x 0.75	20.6	496	695
61 x 0.75	23.0	619	720
2 x 1	6.5	51	63
3 x 1	6.9	62	76
4 x 1	7.5	74	94
5 x 1	8.2	88	110
7 x 1	8.9	112	141
10 x 1	11.4	152	202
12 x 1	11.8	174	232
14 x 1	12.4	217	259
16 x 1	13.0	241	305
18 x 1	14.2	268	342
21 x 1	15.0	302	386
25 x 1	17.0	354	464

Number of cores x nominal cross-section (mm^2)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
30 x 1	17.6	407	530
34 x 1	19.1	548	604
50 x 1	22.6	671	549
2 x 1.5	7.7	65	97
3 x 1.5	8.1	82	106
4 x 1.5	8.9	100	131
5 x 1.5	9.5	110	156
7 x 1.5	10.7	154	203
8 x 1.5	11.7	172	227
10 x 1.5	14.0	236	310
12 x 1.5	13.5	268	341
14 x 1.5	15.3	302	389
16 x 1.5	16.1	338	438
18 x 1.5	17.1	373	490
21 x 1.5	18.1	422	553
25 x 1.5	20.6	530	667
32 x 1.5	22.3	645	817
34 x 1.5	23.2	686	874
44 x 1.5	26.5	899	1139
50 x 1.5	27.8	1001	1269
61 x 1.5	29.4	1183	1490
2 x 2.5	8.5	91	101
3 x 2.5	9.0	119	148
4 x 2.5	10.7	149	190
5 x 2.5	11.0	179	222
7 x 2.5	12.8	254	298
3 x 4	10.9	172	207
4 x 4	12.0	239	251
5 x 4	13.5	288	340
4 x 6	14.3	334	384
5 x 6	15.7	403	472
4 x 10	20.0	518	683
5 x 10	22.1	662	824
4 x 16	22.0	809	930
5 x 16	26.2	990	1203

Technical changes reserved. All figures are therefore without guarantee.



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