

Power & Control Cable

Product Code: YSLY



■ APPLICATION

BENKA control and power cable, particularly suitable in industrial environments: Power station, machine engineering, plant engineering and construction. Indoor installation in dry or damp conditions, both for fixed and moving laying. The cable can be used in cable trays conduit or direct burial application. Outdoor use with UV protection only, considering the temperature range.



Construction	
Conductor	Flexible Class 5 bare copper wire to IEC 60228
Insulation	PVC
Stranding	Core stranded in layers
Outer sheath	PVC Grey (Black for outdoor with UV resistant)

Technical Data	
Working Voltage	300/500V
Test Voltage	2000V
Rated Temperature	-20oC to +70oC
Insulation resistance	> 10 Mohm x km
Flame Retardant	In accordance to IEC 60332-1
Standard & Approval	ROHS
Minimum bending radius	Fixed: 9 x OD; Flexing: 18 x OD

Part No.	Nominal Area mm ²	Approx. Cable OD mm	Copper index kg/km	Approx. Cable Weight kg/km
111 002 005	2 X 0.5	5	9.6	35
111 003 005	3 G 0.5	5.3	14.4	42
111 004 005	4 G 0.5	5.8	19.2	50
111 005 005	5 G 0.5	6.5	24	64
111 006 005	6 G 0.5	7	28.8	79
111 007 005	7 G 0.5	7	34	82
111 008 005	8 G 0.5	8.1	38.4	101
111 010 005	10 G 0.5	9.2	47.6	126
111 012 005	12 G 0.5	9.4	58	136
111 016 005	16 G 0.5	10.4	77	185
111 002 075	2 X 0.75	5.6	14.4	46
111 003 075	3 G 0.75	5.8	21.6	54
111 004 075	4 G 0.75	6.4	29	66
111 005 075	5 G 0.75	6.9	36	79
111 006 075	6 G 0.75	7.5	43	98
111 008 075	8 G 0.75	9	58	131
111 010 075	10 G 0.75	9.9	72	155

Part No.	Nominal Area mm ²	Approx. Cable OD mm	Copper index kg/km	Approx. Cable Weight kg/km
111 012 075	12 G 0.75	10.2	86	172
111 015 075	15 G 0.75	11.2	108	206
111 018 075	18 G 0.75	12	130	246
111 021 075	21 G 0.75	13.3	151	291
111 002 010	2 X 1.0	5.9	19.2	53
111 003 010	3 G 1.0	6.2	29	63
111 004 010	4 G 1.0	6.7	38	76
111 005 010	5 G 1.0	7.3	48	94
111 006 010	6 G 1.0	8.2	58	124
111 007 010	7 G 1.0	8.2	67	133
111 008 010	8 G 1.0	9.7	77	158
111 010 010	10 G 1.0	10.5	96	187
111 012 010	12 G 1.0	10.6	115	202
111 014 010	14 G 1.0	11.5	134	236
111 018 010	18 G 1.0	13	173	302
111 025 010	25 G 1.0	14.9	240	402
111 034 010	34 G 1.0	17.5	326	549
111 002 015	2 X 1.5	6.5	29	67
111 003 015	3 G 1.5	6.9	43	82
111 004 015	4 G 1.5	7.4	58	100
111 005 015	5 G 1.5	8.3	72	122
111 007 015	7 G 1.5	9.1	101	159
111 008 015	8 G 1.5	9.1	115	208
111 010 015	10 G 1.5	11.7	144	247
111 016 015	16 G 1.5	13.7	230	361
111 018 015	18 G 1.5	14.7	259	400
111 025 015	25 G 1.5	17.2	360	539
111 032 015	32 G 1.5	17.5	461	704
111 002 025	2 X 2.5	7.7	48	98
111 003 025	3 G 2.5	8.3	72	124
111 004 025	4 G 2.5	9.1	96	154
111 005 025	5 G 2.5	10.2	120	192
111 007 025	7 G 2.5	12.6	168	247
111 009 025	9 G 2.5	13.6	216	400
111 012 025	12 G 2.5	15	288	423
111 014 025	14 G 2.5	16.1	336	490
111 018 025	18 G 2.5	18.1	432	622
111 002 040	2 X 4	8.9	76	186
111 003 040	3 G 4	10.1	115	196
111 004 040	4 G 4	11	154	241
111 005 040	5 G 4	12.3	192	301
111 003 060	3 G 6	11.9	172	281
111 004 060	4 G 6	13.1	230	354
111 004 100	4 G 10	16.3	384	573
111 004 160	4 G 16	23	614	1,066
111 004 250	4 G 25	27.3	960	1,538
111 004 350	4 G 35	31.5	1,344	2,086

Shielded Power & Control Cable

Product Code: YSLCY



■ APPLICATION

BENKA control and power cable, particularly suitable in industrial environments: Power station, machine engineering, plant engineering and construction. Indoor installation in dry or damp conditions, both for fixed and moving laying. The cable can be used in cable trays conduit or direct burial application. Outdoor use with UV protection only, considering the temperature range. With screening of tinned copper wire braiding, can be used in EMC environments.

BENKA 300/500V YSLCY ROHS



Construction	
Conductor	Flexible Class 5 bare copper wire to IEC 60228
Insulation	PVC
Stranding	Core stranded in layers
Shield	Tinned copper wire braiding
Outer sheath	PVC Grey (Black for outdoor with UV resistant)

Technical Data	
Working Voltage	300/500V
Test Voltage	2000V
Rated Temperature	-20oC to +70oC
Insulation resistance	> 10 Mohm x km
Flame Retardant	In accordance to IEC 60332-1
Standard & Approval	ROHS
Minimum bending radius	Fixed: 12 x OD; Flexing: 25 x OD

Part No.	Nominal Area mm ²	Approx. Cable OD mm	Copper index kg/km	Approx. Cable Weight kg/km
121 002 005	2 x 0.5	5.8	36	40
121 003 005	3 G 0.5	6.1	43	56
121 004 005	4 G 0.5	6.5	49	71
121 005 005	5 G 0.5	7	57	86
121 007 005	7 G 0.5	7.5	69	105
121 012 005	12 G 0.5	9.9	104	200
121 018 005	18 G 0.5	11.5	141	270
121 025 005	25 G 0.5	13.4	211	350
121 002 075	2 X 0.75	6.2	43	56
121 003 075	3 G 0.75	6.5	52	71
121 004 075	4 G 0.75	7	61	95
121 005 075	5 G 0.75	7.7	72	130
121 007 075	7 G 0.75	8.3	89	140
121 012 075	12 G 0.75	10.9	138	232
121 018 075	18 G 0.75	12.7	211	292
121 025 075	25 G 0.75	14.8	280	435
121 002 010	2 X 1	6.5	51	71
121 003 010	3 G 1	6.8	62	86
121 004 010	4 G 1	7.2	74	98
121 005 010	5 G 1	8.1	88	121
121 007 010	7 G 1	8.8	112	147
121 012 010	12 G 1	11.5	185	285
121 018 010	18 G 1	13.1	268	395
121 025 010	25 G 1	15.9	354	486
121 002 015	2 X 1.5	7.1	65	86
121 003 015	3 G 1.5	7.5	82	112
121 004 015	4 G 1.5	8.2	99	135
121 005 015	5 G 1.5	8.9	119	148
121 007 015	7 G 1.5	9.9	154	192
121 012 015	12 G 1.5	13	268	332
121 018 015	18 G 1.5	15.6	373	553
121 025 015	25 G 1.5	17.9	530	734
121 002 025	2 X 2.5	8.1	98	122
121 003 025	3 G 2.5	8.9	118	151
121 004 025	4 G 2.5	9.9	147	188
121 005 025	5 G 2.5	11	176	270
121 007 025	7 G 2.5	11.9	253	294
121 012 025	12 G 2.5	16	355	589
121 018 025	18 G 2.5	19	569	978
121 004 040	4 G 4	11.6	248	305
121 004 060	4 G 6	14.2	343	440
121 004 100	4 G 10	17.2	535	637
121 004 160	4 G 16	20.2	800	1,050
121 004 250	4 G 25	25.1	1,075	1,413
121 004 350	4 G 35	28	1,576	2,070