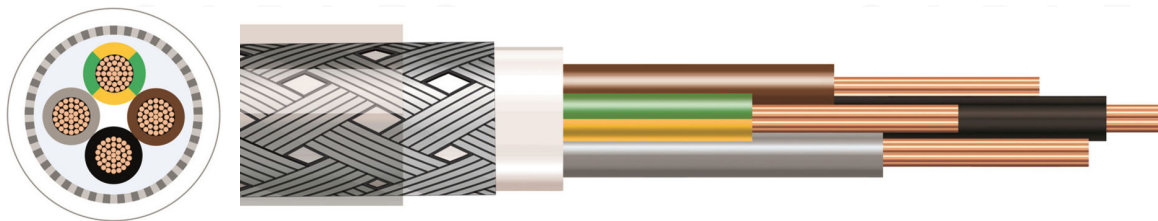


TYPE SY FLEXIBLE CONTROL CABLE



SY cables are designed as control cables to connect equipment in production and assembly lines, suitable for use between both fixed and mobile equipment, including air conditioning systems.

Ideal for instrumentation and control equipment, tooling machinery, and flexible applications requiring free movement without tensile load, SY cables are suitable for use in dry, moist, and wet rooms. The galvanized steel wire braid provides protection against mechanical traverse loads and acts as a magnetic screen against interference.

These cables are not intended for outdoor or underground installation. They are commonly used as interconnecting cables between fixed and mobile equipment in conveyors, assembly lines, production lines, and machine tool manufacture, where the galvanized steel wire braid armour offers excellent mechanical protection

CONDUCTOR	Plain Copper
STRANDING	Class 5
INSULATION	PVC
BEDDING	PVC
ARMOUR	Galvanised Steel Wire Braid
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Transparent
RATED VOLTAGE	300/500V
CORE IDENTIFICATION	2 core: brown & blue 3 core: brown, blue & green/yellow 4 core: brown, grey, black & green/yellow 5 core: brown, blue, grey, black & green/yellow 7 cores plus: black numbered + 1 green/yellow
MINIMUM BENDING RADIUS	6 x overall diameter
OPERATING TEMPERATURE	Maximum 70°C, Minimum bending 0°C

SPECIFICATION DATA

BATT Part No	Number of cores	Nominal cross sectional area of conductor	Radial thickness of insulation	Nominal thickness of oversheath	Approx overall diameter	Weight
73047	2	0.75	0.4	0.8	9.0	85
73052	2	1	0.4	0.8	9.3	101
73002	2	1.5	0.4	0.8	9.8	114
73063	2	2.5	0.5	0.8	9.4	147
73024	2	4			13.8	240
73048	3	0.75	0.4	0.8	8.3	116
73092	3	0.75	0.4	0.8	8.3	116
73032	3	1	0.4	0.8	8.9	126
73107	3	1	0.4	0.8	8.9	126
73004	3	1.5	0.4	0.8	10.1	145
73113	3	1.5	0.4	0.8	10.1	145
73064	3	2.5	0.5	0.9	11.4	193
73097	3	2.5	0.5	0.9	11.4	193
73041	3	4	1.6	1	14.8	312
73030	3	6	0.65	1.1	16.2	407
73081	3	10	0.75	1.3	20.1	621
73125	3	16	0.75	1.5	23.8	857
73137	3	25	0.9	1.8	26.2	1630
73204	3	35	0.95	2	31.6	1932
73205	3	50			37.4	2679
73219	4	0.5			9.1	113
73175	4	0.75	0.4	0.8	9.8	133
73095	4	0.75	0.4	0.8	9.8	133
73184	4	1	0.4	0.8	10.1	146
73115	4	1	0.4	0.8	10.1	146
73166	4	1.5	0.4	0.8	10.8	171
73108	4	1.5	0.4	0.8	10.8	171
73178	4	2.5	0.5	0.9	12.3	232
73109	4	2.5	0.5	0.9	12.3	232
73172	4	4	0.6	1.1	13.2	318
73197	4	4	0.6	1.1	13.2	318
73167	4	6	0.65	1.2	17.9	508
73096	4	6	0.65	1.2	17.9	508
73173	4	10	0.75	1.5	21.9	779
73001	4	10	0.75	1.5	21.9	779
73183	4	16	0.75	1.6	25.5	1040
73009	4	16	0.75	1.6	25.5	1040
73189	4	25	0.9	2	27.2	1350
73179	4	35	0.95	2.2	35.5	2400
73176	4	50	1.25	2.6	42.0	3200
73177	4	70	1.25	3	44.9	4150
73201	4	95	1.6	3.6	51.5	6360
73140	4	120			56.3	8170
73168	5	0.75	0.4	0.8	10.5	155
73164	5	0.75	0.4	0.8	10.5	155
73199	5	1	0.4	0.8	10.8	171

73123	5	1	0.4	0.8	10.8	171
73181	5	1.5	0.4	0.9	11.6	202
73165	5	1.5	0.4	0.9	11.6	202
73169	5	2.5	0.5	1	13.2	277
73043	5	2.5	0.5	1	13.2	277
73174	5	4	0.6	1.1	17.5	478
73110	5	4	0.6	1.1	17.5	478
73170	5	6	0.65	1.3	19.4	545
73098	5	6	0.65	1.3	19.4	545
73171	5	10	0.75	1.6	24.3	850
73082	5	10	0.75	1.6	24.3	850
73186	5	16	0.75	1.8	28.6	1300
73079	5	16	0.75	1.8	28.6	1300
73182	5	25	0.9	2.2	29.8	1970
73180	5	35	0.95	2.4	33.2	2568
73206	5	50			39.4	4248
73188	5	70			45.2	5530
73190	5	90			53.9	7600
73051	7	0.75	0.4	0.8	11.2	182
73054	7	1	0.4	0.9	11.5	203
73010	7	1.5	0.4	0.9	12.4	242
73067	7	2.5	0.5	1.1	14.4	353
73111	7	4			18.8	587
73155	7	6			21.4	789
73046	7	10			24.2	1551
73228	7	16			26.8	1672
73207	8	1.5			13.6	340
73021	12	0.75	0.4	1	13.7	266
73055	12	1	0.4	1	14.3	314
73012	12	1.5	0.4	1.1	15.9	394
73031	12	2.5	0.4	1.2	18.8	575
73147	18	0.75	0.4	1.1	16.2	388
73056	18	1	0.4	1.2	16.7	441
73060	18	1.5	0.4	1.3	18.6	553
73037	18	2.5	0.4	1.3	22	818
73104	25	0.75	0.4	1.3	19.1	521
73057	25	1	0.4	1.4	19.7	594
73027	25	1.5	0.4	1.5	21.9	746
73000	25	2.5			26.2	1130
73156	27	1			20.0	600
73061	30	1.5			23.0	850
73148	34	0.75			19.5	653
73208	34	1			24.0	936
73106	36	1.5			24.6	990
73016	41	1			24.4	1020
73093	50	0.75			24.8	909
73062	50	1.5			29.2	1380
73077	61	1			28.3	1500

Nominal cross sectional area of conductor	Current carrying capacities at 30°C continuous loading (A)	Maximum resistance of conductor at 20°C (ohms/km)
0.75	12	26
1	15	19.5
1.5	18	13.3
2.5	26	7.98
4	34	4.95
6	44	3.3
10	61	1.91
16	82	1.21
25	108	0.78
35	135	0.554
50	168	0.386
70	207	0.272
95	223	0.206

The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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