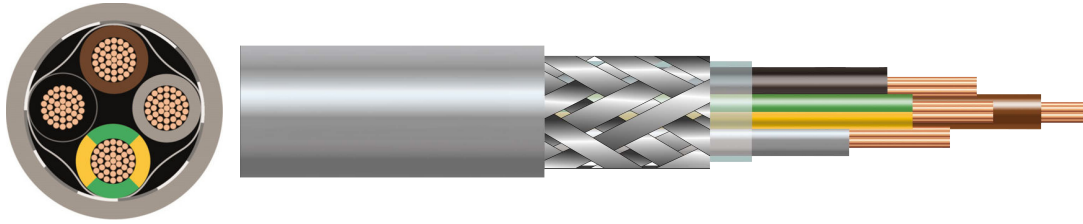


TYPE CY FLEXIBLE CONTROL CABLE



CY screened flexible connecting cables are ideal for instrumentation and control equipment, tooling machinery, and flexible applications requiring free movement without tensile load. They are suitable for use in dry and moist rooms but not for outdoor or underground installation

Featuring copper braided screening, CY cables provide protection against electrical interference, ensuring a high degree of circuit integrity. They are suitable for low or medium voltage installations where interference can disrupt accurate signal transmission.

These cables are designed to connect equipment in production and assembly lines, both fixed and mobile, including air conditioning systems. However, they are not suitable for direct connection to the public mains supply. CY cables serve as data and control cables in machinery, computer systems, and as signal cables for electronics.

CONDUCTOR	Plain Copper
STRANDING	Class 5
INSULATION	PVC
ARMOUR	Tinned Copper Wire Braid
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Grey
RATED VOLTAGE	300/500V
CORE IDENTIFICATION	2 Core: Blue, Brown 3 Core: Green/Yellow, Blue, Brown 4 Core: Green/Yellow, Grey, Brown, Black 5 Core: Green/Yellow, Grey, Brown, Black, Blue 7 Core: 6 Black Numbered + 1 Green/Yellow 12 Core: 11 Black Numbered + 1 Green/Yellow 18 Core: 17 Black Numbered + 1 Green/Yellow 25 Core: 24 Black Numbered + 1 Green/Yellow 34 Core: 33 Black Numbered + Green/Yellow 37 Core: 36 Black Numbered + Green/Yellow 50 Core: 49 Black Numbered + Green/Yellow
MINIMUM BENDING RADIUS	6 x Overall Diameter
OPERATING TEMPERATURE	70°C

SPECIFICATION DATA

ELECTRICAL CHARACTERISTICS

Nomical Cross Sectional Area mm ²	Current Carrying Capacites 30°C Continuous Loading A	Maximum Resistance of Conductor at 20°C ohms/km
0.5	9	39
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	0.780
35	135	0.554

BATT Part No	Cores	Nominal cross sectional area of conductor	Nominal thickness of insulation	Nominal thickness of overshooth	Approx overall diameter	Weight
79393	2	0.5			6.5	59
79361	2	0.75			6.8	71
79375	2	1			7.1	80
79577	2	1			7.1	80
79395	2	1.5			7.7	97
79086	2	2.5			9.3	140
79382	3	0.5			6.8	79
79316	3	0.75			7.1	83
79263	3	0.75			7.1	85
79110	3	1			7.4	97
79264	3	1			7.4	97
79351	3	1.5			8.3	124
79266	3	1.5			8.3	124
79379	3	2.5			9.8	177
79130	3	4			12.1	264
79135	3	6			13.9	357
79089	3	10			18.0	500
79335	4	0.5			7.4	83
79291	4	0.75			7.6	101
79267	4	0.75			7.6	101
79332	4	1			8.0	117
79268	4	1			8	117
79297	4	1.5			9.2	154
79269	4	1.5			9.2	154
79300	4	2.5			10.6	217
79599	4	2.5			10.6	217
79338	4	4			14.4	364
79340	4	6			15.2	446
79342	4	10			17.6	750

79294	4	16			23.9	1250
79447	4	25			26.2	1570
79450	4	35			30.4	2070
79451	4	50			34.6	3015
79333	5	0.5			7.7	94
79322	5	0.75			8.2	118
79270	5	0.75			8.2	118
79292	5	1			9.0	144
79271	5	1			9	144
79323	5	1.5			9.9	181
79234	5	1.5			9.9	181
79298	5	2.5			11.7	263
79345	5	4			14.6	399
79293	5	6			16.7	543
79301	5	10			22.2	876
79104	5	16			22.9	1295
79452	5	25			29.4	1965
79279	7	0.5			8.5	119
79401	7	0.75			9.2	154
79318	7	1			9.6	178
79283	7	1.5			10.7	228
79326	7	2.5			12.7	337
79139	7	4			14.2	433
79303	12	0.5			11.3	201
79402	12	0.75			12.0	242
79313	12	1			12.7	284
79317	12	1.5			14.1	369
79013	12	2.5			16.8	549
79111	18	0.5			12.6	248
79324	18	0.75			13.9	330
79479	18	1			14.8	390
79352	18	1.5			16.5	510
79134	18	2.5			21.1	878
79469	25	0.75			16.1	436
79505	25	1			17.2	520
79470	25	1.5			19.1	684
79136	25	2.5			23.1	1050
79223	27	1.5			19.5	710
79539	34	0.75			13.4	285
79531	37	1			19.5	735
79499	50	0.75			21.5	790

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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