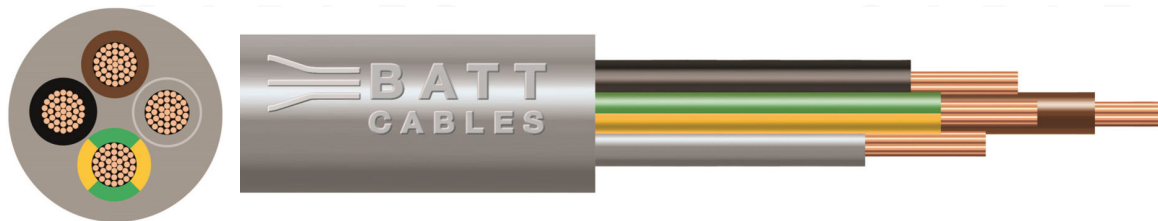


TYPE YY FLEXIBLE CONTROL CABLE



YY control cable is a highly flexible unshielded multicore power and signal control cable designed for various applications such as engineering, plant installations, car production, bottling plants, and more. Constructed with plain electrolytic fine copper wire strands and PVC-based insulation, it is suitable for outdoor use when protected from direct sunlight and for indoor use in dry or moist conditions.

YY Control Cable is commonly used as a control cable on conveyors, assembly, and production lines, serving as an interconnecting cable in signal and control equipment indoors.

While not UV resistant, these cables can be used outdoors if adequately protected against direct sunlight. Not suitable for external or underground installation.

CONDUCTOR	Plain Copper
STRANDING	Class 5
INSULATION	PVC
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Grey
RATED VOLTAGE	300/500V
CORE IDENTIFICATION	2 core: brown and 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	Fixed: 4 x overall diameter Flexed: 12.5 x overall diameter
OPERATING TEMPERATURE	Fixed: -40°C to +80°C Flexed: -5°C to +70°C
STANDARDS	VDE 0207-363-3, VDE 0482-332-1-2, VDE 819-102 (TM54) Flame Retardant according to IEC/EN 60332-1-2
APPROVALS	

SPECIFICATION DATA

BATT Part No	Number of cores	Nominal cross sectional area of conductor	Nominal thickness of insulation	Nominal outer sheath thickness	Nominal overall diameter	Weight
37275	2	0.5	0.4	0.7	4.8	40
37178	2	0.75	0.4	0.7	5.9	50
37146	2	0.75	0.4	0.7	5.9	50
37356	2	1	0.4	0.7	6.2	55
37144	2	1	0.4	0.7	6.2	55
37105	2	1.5	0.4	0.8	6.8	80
37245	2	1.5	0.4	0.8	6.8	80
37426	2	2.5	0.5	0.9	8.4	135
37195	2	2.5	0.5	0.9	8.4	135
37442	2	4			10.4	197
37216	3	0.5	0.4	0.7	5.8	50
37128	3	0.5	0.4	0.7	5.8	50
37177	3	0.75	0.4	0.7	6.2	60
37002	3	0.75	0.4	0.7	6.2	60
37447	3	1	0.4	0.8	6.5	70
37110	3	1	0.4	0.8	6.5	70
37590	3	1.5	0.4	0.8	7.2	95
37098	3	1.5	0.4	0.8	7.2	95
37316	3	2.5	0.5	0.9	8.9	165
37151	3	2.5	0.5	0.9	8.9	165
37306	3	4	0.6	1	11.2	250
37192	3	4	0.6	1	11.2	250
37206	3	6	0.65	1.1	12.8	305
37266	3	6	0.65	1.1	12.8	305
37298	3	10	0.75	1.4	15.8	590
37223	3	16	0.75	1.5	18.4	800
37279	3	25	0.9	1.8	28.4	1400
37537	4	0.5	0.4	0.7	5.4	50
37294	4	0.5	0.4	0.7	5.4	50
37527	4	0.75	0.4	0.8	6.7	78
37222	4	0.75	0.4	0.8	6.7	78
37540	4	1	0.4	0.8	7.1	85
37162	4	1	0.4	0.8	7.1	85
37528	4	1.5	0.4	0.9	8.1	120
37102	4	1.5	0.4	0.9	8.1	120
37570	4	2.5	0.5	1	9.7	200
37189	4	2.5	0.5	1	9.7	200
37529	4	4	0.6	1.1	12.9	300
37265	4	4	0.6	1.1	12.9	300
37530	4	6	0.65	1.2	14.3	390
37075	4	6	0.65	1.2	14.3	390
37566	4	10	0.75	1.5	17.6	720
37182	4	10	0.75	1.5	17.6	720
37548	4	16	0.75	1.6	20.5	1000
37555	4	25	0.9	2	31.5	1800
37542	4	35	0.95	2.2	35.3	2380

	37370	4	50			41.7	3290
	37686	4	70			46.2	4370
	37694	4	95			52.7	5860
	37538	5	0.5	0.4	0.8	6.7	70
	37297	5	0.5	0.4	0.8	6.7	70
	37543	5	0.75	0.4	0.8	7.3	85
	37152	5	0.75	0.4	0.8	7.3	85
	37552	5	1	0.4	0.9	7.7	100
	37093	5	1	0.4	0.9	7.7	100
	37533	5	1.5	0.4	0.9	9.0	150
	37115	5	1.5	0.4	0.9	9.0	150
	37539	5	2.5	0.5	1.1	10.8	255
	37101	5	2.5	0.5	1.1	10.8	255
	37541	5	4	0.6	1.2	13.7	355
	37258	5	4	0.6	1.2	13.7	355
	37573	5	6	0.65	1.3	15.6	470
	37139	5	6	0.65	1.	15.6	470
	37553	5	10	0.75	1.6	19.5	865
	37147	5	10	0.75	1.6	19.5	865
	37244	5	16	0.75	1.8	22.7	1250
	37096	5	16	0.75	1.8	22.7	1250
	37280	5	25	0.9	2.2	25.8	2220
	37687	5	35	0.95	2.4	32.7	2790
	37766	5	50			34.6	3105
	37149	7	0.5	0.4	0.8	7.3	80
	37157	7	0.75	0.4	0.9	7.9	105
	37256	7	1	0.4	0.9	8.3	125
	37168	7	1.5	0.4	1	9.8	185
	37310	7	2.5	0.5	1.1	11.8	305
	37204	7	4	0.6	1.3	15.2	440
	37362	7	6	0.65	1.4	17.3	625
	37048	7	10			20.0	
	37095	8	0.5			8.3	105
	37150	8	0.75	0.4	0.9	9.6	145
	37091	8	1	0.4	1	103	174
	37116	8	1.5	0.4	1	11.6	228
	37432	8	2.5			14.5	367
	37622	9	0.75			10.7	176
	37142	10	0.5			9.4	120
	37472	10	0.75			10.2	150
	37184	10	1			10.8	180
	37185	10	1.5			12.6	270
	37153	12	0.5	0.4	1	9.7	140
	37183	12	0.75	0.4	1	10.5	175
	37624	12	1	0.4	1.1	11.8	220
	37100	12	1.5	0.4	1.2	13.0	305
	37208	12	2.5	0.5	1.4	15.7	535
	37748	14	0.5			10.2	894
	37632	16	1.5			14.6	395
	37138	18	0.5	0.4	1.1	11.7	209
	37084	18	0.75	0.4	1.2	13.2	282

37176	18	1	0.4	1.2	13.9	334
37164	18	1.5	0.4	1.4	16.0	452
37329	18	2.5	0.5	1.3	19.6	690
37373	21	0.5			12.8	249
37078	21	0.75			14.9	351
37156	21	1			15.7	411
37148	21	1.5			17.8	544
37205	25	0.5	0.4	1.2	13.6	265
37620	25	0.75	0.4	1.3	14.8	335
37187	25	1	0.4	1.4	16.3	410
37213	25	1.5	0.4	1.6	18.2	650
37186	25	2.5	0.5	1.69	22.2	1070
37593	34	0.75	0.4	1.5	18.1	526
37180	34	1	0.4	1.6	19.3	627
37357	34	1.5	0.4	1.7	21.6	821
37224	40	0.5			16.8	390
37311	42	0.75			16	465
37254	42	1			21.2	764
37214	42	1.5			23.6	995
37170	50	0.5			18.5	515
37145	50	0.75			20.7	680
37169	50	1	0.4	1.8	22.1	830
37141	50	1.5	0.4	2	24.9	1200

Electrical Characteristics

NOMINAL CROSS SECTIONAL AREA (mm2)	CURRENT CARRYING CAPACITES 30°C CONTINOUS 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

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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