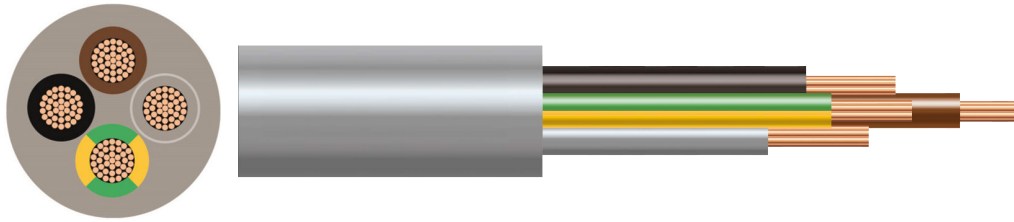


TYPE YY FLEXIBLE CONTROL CABLE



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.

