

# YY CONTROL

**STANDARD:** Generally to BS6500 and VDE 0250

**VOLTAGE RATING:** 300/500V

**APPLICATION:**

Suitable for use as signal and control cable for machine tools, assembly lines and plant engineering as a flexible cable between fixed and mobile equipment.

**YY CONSTRUCTION:**

Plain copper flexible Class 5 conductors to BS 6360 / VDE 0295. PVC Insulation, cores twisted together.

**CORE COLOURS:** Black cores in accordance to VDE 0293. Earth conductor - Green/Yellow or colour codes available.

**SHEATH COLOURS:** Grey PVC outer sheath

**MINIMUM BENDING RADIUS:** 6D

**MAXIMUM CONDUCTOR TEMPERATURE:** 70°C

**MINIMUM TEMPERATURE FOR FIXED INSTALLATIONS:** 0°C

Reference number	Nominal area of conductor	Class of conductor	Maximum resistance at 20°C	Insulation thickness	Sheath thickness	Nominal Cable diameter	Approx. nett weight
2 Core	0.5	5	39.00	0.6	0.8	4.9	32
	0.75	5	26.00	0.6	0.8	5.1	40
	1.0	5	19.50	0.6	0.8	5.5	49
	1.5	5	13.30	0.6	0.8	6.1	63
	2.5	5	7.98	0.6	0.8	7.5	95
3 Core	0.5	5	39.00	0.6	0.8	5.1	41
	0.75	5	26.00	0.6	0.8	5.6	53
	1.0	5	19.50	0.6	0.8	5.5	59
	1.5	5	13.3	0.6	0.9	6.5	79
	2.5	5	7.98	0.6	0.9	7.9	123
	4.0	5	4.95	0.7	0.9	9.6	180
	6.0	5	3.3	0.7	0.9	11.8	271
4 Core	0.5	5	39.00	0.6	0.8	5.6	44
	0.75	5	26.00	0.6	0.8	6.0	56
	1.0	5	19.50	0.6	0.8	6.5	62
	1.5	5	13.3	0.4	0.8	7.2	97

	2.5	5	7.98	0.5	0.8	8.7	152
	4.0	5	4.95	0.6	1.0	10.4	231
	6.0	5	3.3	0.6	1.0	12.7	335
	10.0	5	1.91	0.6	1.0	15.6	530
	16.0	5	1.21	0.6	1.0	19.1	846
	25.0	5	0.78	0.6	1.0	23.1	1270
5 Core	0.5	5	39.0	0.6	0.8	6.3	53
	0.75	5	26.00	0.6	0.8	6.6	67
	1.0	5	19.50	0.6	0.8	6.9	80
	1.5	5	13.3	0.6	0.8	7.9	110
	2.5	5	7.98	0.6	0.8	9.7	172
	4.0	5	4.95	0.7	1.0	11.6	272
	6.0	5	3.3	0.7	1.2	14.1	405
	10.0	5	1.91	0.7	1.2	17.7	670
	16.0	5	1.21	0.7	1.2	21.6	1049
	25.0	5	0.78	0.7	1.2	25.88	1577
7 Core	0.5	5	39.00	0.6	0.8	6.5	74
	0.75	5	26.00	0.6	0.8	7.1	96
	1.0	5	19.50	0.6	0.8	7.5	125
	1.5	5	13.3	0.6	0.8	8.8	148
	2.5	5	7.98	0.6	0.8	11.8	236
	4.0	5	4.95	0.6	1.0	12.8	352
12 Core	0.5	5	39.00	0.6	0.8	8.8	111
	0.75	5	26.00	0.6	0.8	9.8	149
	1.0	5	19.50	0.6	0.8	10.4	183
	1.5	5	13.3	0.6	0.8	11.7	248
	2.5	5	7.98	0.6	0.8	14.3	383
18 Core	0.5	5	39.00	0.6	0.8	10.6	163
	0.75	5	26.00	0.6	0.8	11.4	212
	1.0	5	19.50	0.6	0.8	12.3	265
	1.5	5	13.3	0.6	0.8	13.8	359
25 Core	0.75	5	26.00	0.6	0.8	14	296
	1.0	5	19.50	0.6	0.8	14.6	356
	1.5	5	13.3	0.6	0.8	17.1	509
34 Core	0.75	5	26.00	0.6	0.8	15.8	389
	1.0	5	19.50	0.6	0.8	16.5	468
	1.5	5	13.3	0.6	0.8	19.2	668
50 Core	0.75	5	26.00	0.6	0.8	19.1	583
	1.0	5	19.50	0.6	0.8	19.9	690
	1.5	5	13.3	0.6	0.8	22.5	969