



## YY Control Flexible Cable

### Application and Description

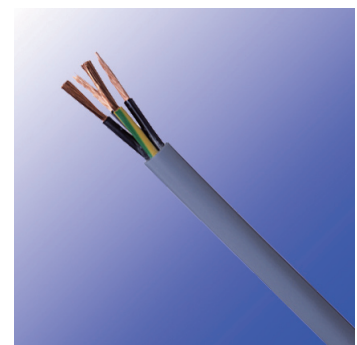
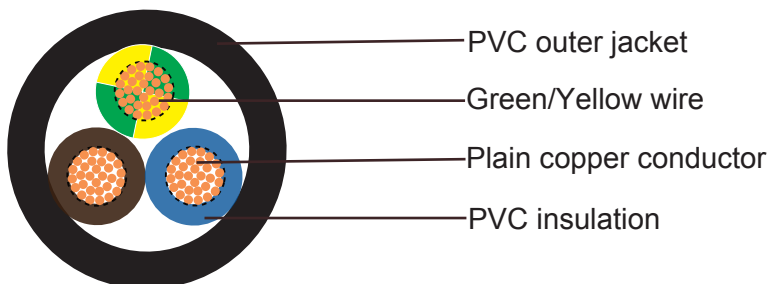
YY Control Flexible Cable is used as connecting cable, as measuring, checking and control cable in machine tool manufacturing, plant engineering and on assembly lines and production lines to meet stringent safety requirements. Suitable for fixed installation or flexible applications with unrestricted mobility without forced movement control and without exposure to tensile load installation in dry and moist rooms; outdoor installation not permitted.

### Standard and Approval

Generally to BS6500, VDE0250

### Cable Construction

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5
- PVC core insulation type Y12
- Color coded to VDE-0293-308
- Green-yellow grounding (3 conductors and above)
- PVC outer jacket type YM2





## German Standard (VDE)

### Technical Characteristics

- Working voltage: 300/500 volts
- Test voltage: 3000 volts
- Minimum bending radius: 10 x Ø
- Flexing temperature: -5° C to +70° C
- Static temperature: -35° C to +70° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

### Cable Parameter

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Cable Weight kg/km
20(16/32)	2 x 0.50	0.5	0.8	5.2	39
18(24/32)	2 x 0.75	0.5	0.8	5.7	48
17(32/32)	2 x 1.00	0.5	0.8	5.9	55
16(30/30)	2 x 1.50	0.6	0.9	7.1	78
14(50/30)	2 x 2.50	0.7	0.9	8.3	113
20(16/32)	3 x 0.50	0.5	0.8	5.5	47
18(24/32)	3 x 0.75	0.5	0.8	6.0	57
17(32/32)	3 x 1.00	0.5	0.8	6.3	66
16(30/30)	3 x 1.50	0.6	0.9	7.0	94
14(50/30)	3 x 2.50	0.7	1.0	9.0	144
12(56/28)	3 x 4.00	0.8	1.1	10.9	213
10(84/28)	3 x 6.00	0.8	1.2	12.4	292
8(80/26)	3 x 10.00	1.0	1.3	15.0	478
6(128/26)	3 x 16.00	1.0	1.5	18.4	706
20(16/32)	4 x 0.50	0.5	0.8	5.9	57
18(24/32)	4 x 0.75	0.5	0.8	6.6	70
17(32/32)	4 x 1.00	0.5	0.9	7.0	84
16(30/30)	4 x 1.50	0.6	0.9	8.2	116
14(50/30)	4 x 2.50	0.7	1.0	9.9	177
12(56/28)	4 x 4.00	0.8	1.1	11.9	265
10(84/28)	4 x 6.00	0.8	1.2	13.6	365
8(80/26)	4 x 10.00	1.0	1.3	17.2	607
6(128/26)	4 x 16.00	1.0	1.5	20.2	888
4(200/26)	4 x 25.00	1.3	1.9	24.9	1352



# Addison Industrial Cables

## German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm <sup>2</sup>	Nominal Thickness of Insulation mm	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Cable Weight kg/km
20(16/32)	5 x 0.50	0.5	0.8	6.5	68
18(24/32)	5 x 0.75	0.5	0.9	7.0	79
17(32/32)	5 x 1.00	0.5	0.9	7.0	96
16(30/30)	5 x 1.50	0.6	1.0	9.2	146
14(50/30)	5 x 2.50	0.7	1.1	11.0	222
12(56/28)	5 x 4.00	0.8	1.1	13.1	325
10(84/28)	5 x 6.00	0.8	1.3	15.1	454
8(80/26)	5 x 10.00	1.0	1.3	18.9	744
6(128/26)	5 x 16.00	1.0	1.5	22.2	1090
4(200/26)	5 x 25.00	1.3	1.9	29.0	1774
20(16/32)	7 x 0.50	0.5	0.9	7.0	88
18(24/32)	7 x 0.75	0.5	0.9	8.1	109
17(32/32)	7 x 1.00	0.5	1.0	8.6	132
16(30/30)	7 x 1.50	0.6	1.0	10.1	183
14(50/30)	7 x 2.50	0.7	1.2	12.0	286
18(24/32)	8 x 0.75	0.5	0.9	8.7	127
17(32/32)	8 x 1.00	0.5	1.0	9.9	152
16(30/30)	8 x 1.50	0.6	1.1	10.3	175
20(16/32)	12 x 0.50	0.5	1.0	9.7	154
18(24/32)	12 x 0.75	0.5	1.1	10.9	198
17(32/32)	12 x 1.00	0.5	1.1	11.4	231
16(30/30)	12 x 1.50	0.6	1.2	13.6	329
14(50/30)	12 x 2.50	0.7	1.4	16.5	510
20(16/32)	18 x 0.50	0.5	1.1	11.5	220
18(24/32)	18 x 0.75	0.5	1.2	12.9	282
17(32/32)	18 x 1.00	0.5	1.3	13.7	338
16(30/30)	18 x 1.50	0.6	1.4	16.4	480
14(50/30)	18 x 2.50	0.7	1.6	19.8	741
20(16/32)	25 x 0.50	0.5	1.3	13.8	314