



YY Control Flexible Cable

Application and Description

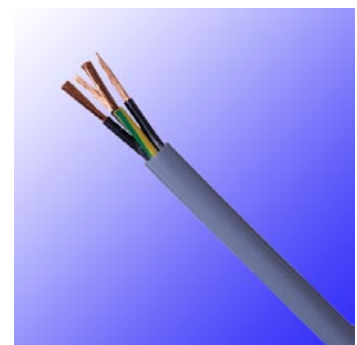
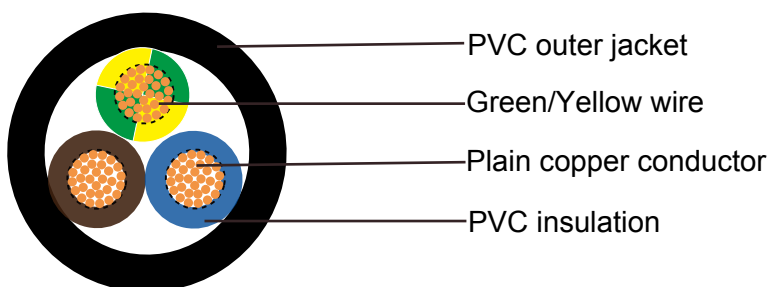
YY Control Flexible Cable is used as connecting cable, as measuring, checking and control cable in machine tool manufacturing, plant engineering and on assembly lines and production lines to meet stringent safety requirements. Suitable for fixed installation or flexible applications with unrestricted 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 ²	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Cable Weight kg/km
20(16/32)	2 x 0.50	4.7		32
18(24/32)	2 x 0.75	5.1		39
17(32/32)	2 x 1.00	5.3		49
16(30/30)	2 x 1.50	6.2		61
14(30/50)	2 x 2.50	7.3		92
20(16/32)	3 x 0.50	5.1		39
18(24/32)	3 x 0.75	5.4		50
17(32/32)	3 x 1.00	5.6		60
16(30/30)	3 x 1.50	6.5		79
14(30/50)	3 x 2.50	7.7		119
12(56/28)	3 x 4.00	9.3		176
10(84/28)	3 x 6.00	11.0		255
8(80/26)	3 x 10.00	14.0		411
6(128/26)	3 x 16.00	18.2		653
20(16/32)	4 x 0.50	5.4		46
18(24/32)	4 x 0.75	5.9		59
17(32/32)	4 x 1.00	6.5		69
16(30/30)	4 x 1.50	7.4		92
14(30/50)	4 x 2.50	8.5		148
12(56/28)	4 x 4.00	10.2		219
10(84/28)	4 x 6.00	12.3		323
8(80/26)	4 x 10.00	15.0		513
6(128/26)	4 x 16.00	19.2		844
4(200/26)	4 x 25.00	23.0		1252
20(16/32)	5 x 0.50	6.2		57



Addison Industrial Cables

German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Cable Weight kg/km
18(24/32)	5 x 0.75	6.7		68
17(32/32)	5 x 1.00	6.9		83
16(30/30)	5 x 1.50	7.9		109
14(30/50)	5 x 2.50	9.7		180
12(56/28)	5 x 4.00	11.6		269
10(84/28)	5 x 6.00	13.5		391
8(80/26)	5 x 10.00	17.1		650
6(128/26)	5 x 16.00	21.3		1012
4(200/26)	5 x 25.00	25.8		1548
2(280/26)	5 x 35.00	29.5		2029
18(24/32)	6 x 0.75	6.9		81
17(32/32)	6 x 1.00	7.0		101
20(16/32)	7 x 0.50	6.6		70
18(24/32)	7 x 0.75	7.1		90
17(32/32)	7 x 1.00	7.5		104
16(30/30)	7 x 1.50	9.0		147
14(30/50)	7 x 2.50	10.1		232
18(24/32)	8 x 0.75	7.4		100
17(32/32)	8 x 1.00	8.0		120
16(30/30)	8 x 1.50	9.5		169
20(16/32)	12 x 0.50	8.6		110
18(24/32)	12 x 0.75	9.4		146
17(32/32)	12 x 1.00	9.9		174
16(30/30)	12 x 1.50	11.6		237
14(30/50)	12 x 2.50	13.9		377
18(24/32)	18 x 0.75	11.1		211
17(32/32)	18 x 1.00	11.7		252
16(30/30)	18 x 1.50	13.7		347
14(30/50)	18 x 2.50	17.1		575
18(24/32)	25 x 0.75	13.4		289
16(30/30)	25 x 1.50	16.9		490
17(32/32)	34 x 1.00	16.3		477
17(32/32)	41 x 1.00	17.7		566
18(24/32)	42 x 0.75	16.0		461
17(32/32)	50 x 1.00	19.1		682
18(24/32)	61 x 0.75	19.8		673
18(24/32)	65 x 0.75	20.7		774