



CY Screened cable

Application and Description

CY Screened cable can be used as connecting cable, as measuring, signalling and control cable in machine tool manufacturing, plant engineering and in assembly and production lines to meet stringent safety requirements. Suitable for fixed installations 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. These cables with copper screening are ideally suitable for interference-free data and signal transmission in measuring and control technology.

Standard and Approval

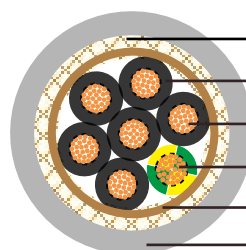
BS6500, VDE0250

Cable Construction

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- PVC core insulation type Y12
- Color coded to VDE-0293-308
- Green-yellow grounding (3 conductors and above)
- Plastic binder tape
- Tinned Copper Wire Braid Screen
- PVC outer jacket type Y12



CY



- Tinned copper braid
- PVC insulation
- Plain copper conductor
- Green/Yellow wire
- Plastic binder tape
- PVC outer sheath

CY



German Standard (VDE)

Technical Characteristics

- Working voltage: 300/500 volts
- Test voltage: 2000 volts
- Minimum bending radius: 10 x Ø
- Flexing temperature: -15° C to +70° C
- Static temperature: -35° C to +70° C
- Short circuit temperature: +160° C
- Flame retardant: IEC 60332.3
- 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 Cable Weight kg/km
20(16/32)	2 x 0.50	5.4	45.0
18(24/32)	2 x 0.75	6.0	54.0
18(24/32)	2 x 0.75*	5.4	47.4
17(32/32)	2 x 1.00	6.2	60.0
17(32/32)	2 x 1.00*	5.9	57.4
16(30/30)	2 x 1.50	6.8	70.0
16(30/30)	2 x 1.50*	6.6	74.4
14(30/50)	2 x 2.50	8.0	104.0
20(16/32)	3 x 0.50	5.8	53.0
18(24/32)	3 x 0.75	6.3	65.0
18(24/32)	3 x 0.75*	5.4	57.8
17(32/32)	3 x 1.00	6.5	73.0
16(30/30)	3 x 1.50	7.2	90.0
16(30/30)	3 x 1.50*	7.5	100.1
14(30/50)	3 x 2.50	8.6	140.0
20(16/32)	4 x 0.50	6.3	63.0
18(24/32)	4 x 0.75	6.8	77.0
18(24/32)	4 x 0.75*	6.5	73.6
17(32/32)	4 x 1.00	7.0	89.0
16(30/30)	4 x 1.50	7.8	108.0
16(30/30)	4 x 1.50*	8.2	123.3
14(30/50)	4 x 2.50	9.4	173.0
12(56/28)	4 x 4.00	11.1	236.0



Addison Industrial Cables

German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm²	Nominal Overall Diameter mm	Nominal Cable Weight kg/km
10(84/28)	4 x 6.00	12.8	339.0
8(80/26)	4 x 10.00	16.1	502.0
6(128/26)	4 x 16.00	19.2	771.0
4(200/26)	4 x 25.00	20.2	1420.0
20(16/32)	5 x 0.50	6.7	76.0
18(24/32)	5 x 0.75	7.3	91.0
17(32/32)	5 x 1.00	7.6	105.0
16(30/30)	5 x 1.50	8.4	125.0
14(30/50)	5 x 2.50	10.0	206.0
12(56/28)	5 x 4.00	12.1	288.0
10(84/28)	5 x 6.00	14.2	416.0
20(16/32)	6 x 0.50	7.2	87.0
18(24/32)	6 x 0.75	7.8	102.0
17(32/32)	6 x 1.00	8.2	110.0
20(16/32)	7 x 0.50	7.3	107.0
18(24/32)	7 x 0.75	7.8	115.0
17(32/32)	7 x 1.00	8.4	139.0
16(30/30)	7 x 1.50	9.3	160.0
14(30/50)	7 x 2.50	10.8	267.0
20(16/32)	8 x 0.50	7.7	109.0
18(24/32)	8 x 0.75	8.3	137.0
17(32/32)	8 x 1.00	9.0	157.0
20(16/32)	12 x 0.50	9.2	140.0
18(24/32)	12 x 0.75	10.1	177.0
17(32/32)	12 x 1.00	10.4	207.0
16(30/30)	12 x 1.50	11.8	279.0
14(30/50)	12 x 2.50	14.6	432.0
20(16/32)	18 x 0.50	10.2	179.0
18(24/32)	18 x 0.75	11.6	250.0
17(32/32)	18 x 1.00	12.4	295.0
16(30/30)	18 x 1.50	14.0	350.0
20(16/32)	25 x 0.50	13.3	256.0
18(24/32)	25 x 0.75	13.9	326.0
17(32/32)	25 x 1.00	14.9	384.0
16(30/30)	25 x 1.50	16.9	530.0
18(24/32)	34 x 0.75	15.6	406.0
17(32/32)	34 x 1.00	16.6	530.0
16(30/30)	34 x 1.50	18.9	720.0
16(30/30)	42 x 1.50	20.1	820.0
18(24/32)	50 x 0.75	19.0	576.0
17(32/32)	50 x 1.00	19.6	1020.0