CY LSZH Screened Cable

Application and Description

CY LSZH Screened Cable is used as interconnecting cable for measuring, controlling or regulation in control equipment for assembly and production lines, conveyors and for computer units. Suitable for fixed installations or for flexible use when temporarily moved, and in conditions of medium mechanical stress. For installation where fire, smoke emission and toxic fumes create a potential threat to life and equipment. . Can be used outdoors when protected, and in dry or moist conditions indoors.

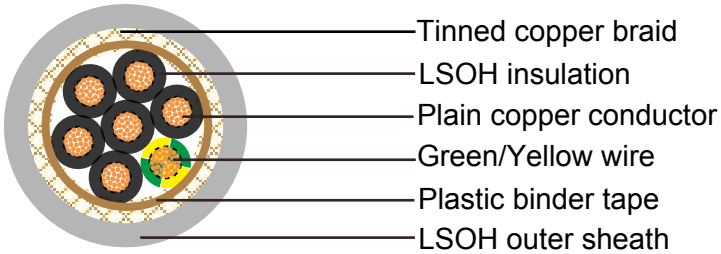
Standard and Approval

BS6500, VDE0250, IEC 60332-3, IEC 60754-1

Cable Construction

- Plain copper conductor
- Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5
- LSOH core insulation H12- DIN VDE 027 PT23
- Color coded to VDE-0293-308
- Green-yellow grounding (3 conductors and above)
- Plastic binder tape
- Tinned Copper Wire Braid Screen
- LSOH outer jacket

CY LSOH



CY LSOH

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 mm²	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Cable Weight kg/km
20(16/32)	2 x 0.5	7.0	35.0	80
20(16/32)	3 x 0.5	7.3	45.5	106
20(16/32)	4 x 0.5	7.9	55.0	123
20(16/32)	5 G 0.5	8.4	66.0	134
20(16/32)	7 G 0.5	9.9	80.5	160
20(16/32)	12 G 0.5	11.3	138.5	237
18(24/32)	2 x 0.75	7.4	45.0	115
18(24/32)	3 x 0.75	7.9	57.9	125
18(24/32)	4 x 0.75	8.4	64.0	141
18(24/32)	5 x 0.75	8.9	77.4	162
18(24/32)	7 X 0.75	10.6	102.0	187
18(24/32)	12 G 0.75	12.3	177.0	313
18(24/32)	18 G 0.75	14.5	243.0	456
18(24/32)	25 G 0.75	16.6	307.3	575
17(32/32)	2 x 1.0	7.9	50.0	127
17(32/32)	3 x 1.0	8.2	65.3	140
17(32/32)	4 x 1.0	8.7	78.1	160
17(32/32)	5 G 1.0	9.5	89.4	182
17(32/32)	7 G 1.0	10.8	113.6	215
17(32/32)	12 G 1.0	13.3	188.1	352
17(32/32)	18 G 1.0	15.5	286.0	514
17(32/32)	25 G 1.0	17.5	388.5	677
17(32/32)	41 G 1.0	22.0	578	1010

German Standard (VDE)

AWG	No. of Cores x Nominal Cross Sectional Area # x mm²	Nominal Overall Diameter mm	Nominal Copper Weight kg/km	Nominal Cable Weight kg/km
16(30/30)	2 x 1.5	8.5	77.0	172
16(30/30)	3 x 1.5	8.9	83.0	187
16(30/30)	4 G 1.5	9.6	100.0	201
16(30/30)	5 G 1.5	10.3	125.0	231
16(30/30)	7 G 1.5	13.1	196.0	310
16(30/30)	12 G 1.5	14.8	280.0	505
16(30/30)	18 G 1.5	17.2	389.0	671
16(30/30)	25 G 1.5	20.1	535.0	955
14(30/50)	3 G 2.5	10.3	146.0	211
14(30/50)	4 G 2.5	11.3	167.0	356
14(30/50)	5 G 2.5	12.6	200.2	386
14(30/50)	7 G 2.5	13.9	288.0	498
14(30/50)	12 G 2.5	17.6	477.3	911
12(56/28)	4 G 4	13.4	237.0	458
12(56/28)	5 G 4	14.7	280.0	532
12(56/28)	7 G 4	18.2	388.0	766
10(84/28)	4 G 6	15.8	318.0	611
10(84/28)	5 G 6	17.3	453.0	770
10(84/28)	7 G 6	24.8	524.7	1035
8(80/26)	4 G 10	24.4	558.0	986
6(128/26)	4 G 16	28.1	804.0	1338
4(200/26)	4 G 25	32.9	1289.0	2028
2(280/26)	4 G 35	36.8	1693.0	2649
1(400/26)	4 G 50	42.4	2342.0	3741
2/0(356/24)	4 G 70	49.4	3035.0	5054
3/0(485/24)	4 G 95	54.5	4055.0	6427