



河南泰诺电缆有限公司

HENAN TANO CABLE CO.,LTD.



CONTROL CABLE to VDE STANDARD



Henan Tano Cable Co., Ltd.(Tano Cable for short), is a leading and professional manufacturer of cable and wire with more than 20 years' history and manufacturing experience, located in Zhengzhou city which is the capital of Henan province, China.

Tano Cable aims at providing integral power solution for international customers. We are working together as one company to provide products and technologies for building, maintaining and advancing the power and information infrastructures that connect the world. We mainly have the following products with strong competitiveness: All Aluminum Conductors (AAC), All Aluminum Alloy Conductors (AAAC), Aluminum Conductors Steel Reinforcement (ACSR) , Aerial Bundled Cables (ABC), building wire, welding cable, control cable, instrument cable, rubber cable, PVC insulated power cable, XLPE insulated power cable up to 500KV, customer-tailored cable and cable accessories, conforming to many different Country or international standard, such as IEC, HAR, BS, DIN, ICEA, ASTM, SABS, AS/NZS, JIS and so on.

Tano Cable pays great importance on the quality. We have strong teams and equipments for both production and inspection. Moreover, we have been awarded many certificates of ISO, CE, SONCAP, others from China and abroad. We keep improving our quality management system to meet the client's final satisfaction.

Tano Cable has provided services to the global clients who working in all areas of the energy, construction, industrial, specialty and communications market, and obtained the client's trust and compliment.

Welcome your any inquiry! Welcome your any visit! Welcome your any contact! We will take our biggest sincerity to be your long-term friend and partner.





Table of Contents

CY LSZH Screened.....	5
CY Screened.....	7
LiYCY Screened.....	10
LiYCY TP.....	15
SY Steel Wire Braid.....	19
YY LSZH.....	23
YY.....	25



TANO
C A B L E



Control Cable CY LSZH Screened to VDE 0250 Standard

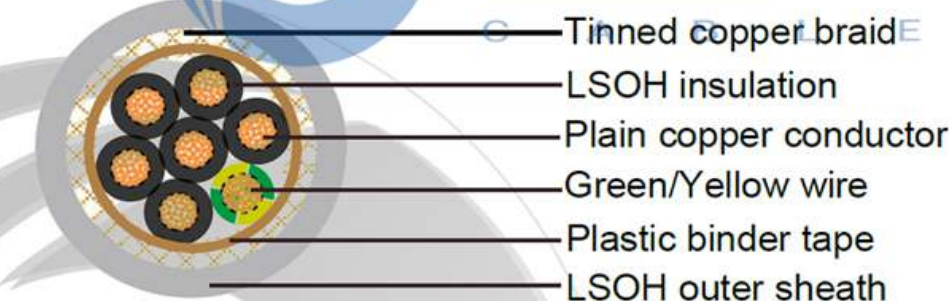
APPLICATION

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

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

CONSTRUCTION

CY LSZH

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

TECHNICAL DATA

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

CONSTRUCTION PARAMETER



AWG	No. of Cores x Nominal Cross Sectional Area	Nominal Overall Diameter	Nominal Copper Weight	Nominal Cable Weight
	No. x mm ²	mm	kg/km	kg/km
20(16/32)	2 x 0.5	7	35	80
20(16/32)	3 x 0.5	7.3	45.5	106
20(16/32)	4 x 0.5	7.9	55.2	123
20(16/32)	5G0.5	8.4	66	134
20(16/32)	7G0.5	9.9	80.5	160
20(16/32)	12G0.5	11.3	138.5	237
18(24/32)	2 x 0.75	7.4	45	115
18(24/32)	3 x 0.75	7.9	57.9	125
18(24/32)	4 x 0.75	8.4	64	141
18(24/32)	5 x 0.75	8.9	77.4	162
18(24/32)	7 x 0.75	10.6	102	187
18(24/32)	12G0.75	12.3	177	313
18(24/32)	18G0.75	14.5	243	456
18(24/32)	25G0.75	16.6	307.3	575
17(32/32)	2 x 1.0	7.9	50	127

17(32/32)	3 x1.0	8.2	65.3	140
17(32/32)	4 x1.0	8.7	78.1	160
17(32/32)	5G1.0	9.5	89.4	182
17(32/32)	7G1.0	10.8	113.6	215
17(32/32)	12G1.0	13.3	188.1	352
17(32/32)	18G1.0	15.5	286	514
17(32/32)	25G1.0	17.5	388.5	677
17(32/32)	41G1.0	22	578	1010
16(30/30)	2 x1.5	8.5	77	172
16(30/30)	3 x1.5	8.9	83	187
16(30/30)	4G1.5	9.6	100	201
16(30/30)	5G1.5	10.3	125	231
16(30/30)	7G1.5	13.1	196	310
16(30/30)	12G1.5	14.8	280	505
16(30/30)	18G1.5	17.2	389	671
16(30/30)	25G1.5	20.1	535	955
14(30/50)	3G2.5	10.3	146	211
14(30/50)	4G2.5	11.3	167	356
14(30/50)	5G2.5	12.6	200.2	386
14(30/50)	7G2.5	13.9	288	498
14(30/50)	12G2.5	17.6	477.3	911
12(56/28)	4G4	13.4	237	458
12(56/28)	5G4	14.7	280	532
12(56/28)	7G4	18.2	388	766
10(84/28)	4G6	15.8	318	611
10(84/28)	5G6	17.3	453	770
10(84/28)	7G6	24.8	524.7	1035
8(80/26)	4G10	24.4	558	986
6(128/26)	4G16	24.4	558	986
4(200/26)	4G25	32.9	1289	2028
2(280/26)	4G35	36.8	1693	2649
1(400/26)	4G50	42.4	2342	3741
2/0(356/24)	4G70	49.4	3035	5054
3/0(485/24)	4G95	54.5	4055	6427

Control Cable CY Screened to VDE 0250 Standard

APPLICATION

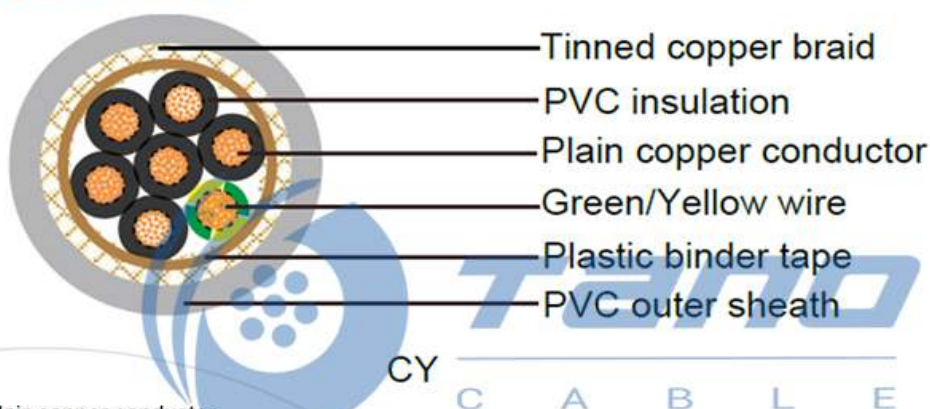
CY Screened cable can be used as connecting cable, as measuring, signaling and control cable in machine tool manufacturing, plant engineering and in assembly and production lines to meet stringent safety requirements. Suitable for fixed installations or flexible applications with unrestricted mobility 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

BS6500, VDE0250

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

TECHNICAL DATA

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

CONSTRUCTION PARAMETER

AWG	No. of Cores x Nominal Cross Sectional Area	Nominal Overall Diameter	Nominal Cable Weight
	No. xmm ²	mm	kg/km
20(16/32)	2 x 0.50	5.4	45
18(24/32)	2 x 0.75	6	54
18(24/32)	2 x 0.75*	5.4	47.4
17(32/32)	2 x 1.00	6.2	60
17(32/32)	2 x 1.00*	5.9	57.4
16(30/30)	2 x 1.50	6.8	70
16(30/30)	2 x 1.50*	6.6	74.4
14(30/50)	2 x 2.50	8	104
20(16/32)	3 x 0.50	5.8	53
18(24/32)	3 x 0.75	6.3	65
18(24/32)	3 x 0.75*	5.4	57.8
17(32/32)	3 x 1.00	6.5	73
16(30/30)	3 x 1.50	7.2	90
16(30/30)	3 x 1.50*	7.5	100.1
14(30/50)	3 x 2.50	8.6	140
20(16/32)	4 x 0.50	6.3	63
18(24/32)	4 x 0.75	6.8	77
18(24/32)	4 x 0.75*	6.5	73.6
17(32/32)	4 x 1.00	7	89
16(30/30)	4 x 1.50	7.8	108
16(30/30)	4 x 1.50*	8.2	123.3
14(30/50)	4 x 2.50	9.4	173
12(56/28)	4 x 4.00	11.1	236
10(84/28)	4 x 6.00	12.8	339
8(80/26)	4 x 10.00	16.1	502

6(128/26)	4 x 16.00	19.2	771
4(200/26)	4 x 25.00	20.2	1420
20(16/32)	5 x 0.50	6.7	76
18(24/32)	5 x 0.75	7.3	91
17(32/32)	5 x 1.00	7.6	105
16(30/30)	5 x 1.50	8.4	125
14(30/50)	5 x 2.50	10	206
12(56/28)	5 x 4.00	12.1	288
10(84/28)	5 x 6.00	14.2	416
20(16/32)	6 x 0.50	7.2	87
18(24/32)	6 x 0.75	7.8	102
17(32/32)	6 x 1.00	8.2	110
20(16/32)	7 x 0.50	7.3	107
18(24/32)	7 x 0.75	7.8	115
17(32/32)	7 x 1.00	8.4	139
16(30/30)	7 x 1.50	9.3	160
14(30/50)	7 x 2.50	10.8	267
20(16/32)	8 x 0.50	7.7	109
18(24/32)	8 x 0.75	8.3	137
17(32/32)	8 x 1.00	9	157
20(16/32)	12 x 0.50	9.2	140
18(24/32)	12 x 0.75	10.1	177
17(32/32)	12 x 1.00	10.4	207
16(30/30)	12 x 1.50	11.8	279
14(30/50)	12 x 2.50	14.6	432
20(16/32)	18 x 0.50	10.2	179
18(24/32)	18 x 0.75	11.6	250
17(32/32)	18 x 1.00	12.4	295
16(30/30)	18 x 1.50	14	350
20(16/32)	25 x 0.50	13.3	256
18(24/32)	25 x 0.75	13.9	326
17(32/32)	25 x 1.00	14.9	384
16(30/30)	25 x 1.50	16.9	530
18(24/32)	34 x 0.75	15.6	406
17(32/32)	34 x 1.00	16.6	530
16(30/30)	34 x 1.50	18.9	720
16(30/30)	42 x 1.50	20.1	820
18(24/32)	50 x 0.75	19	576
17(32/32)	50 x 1.00	19.6	1020

Control Cable LiYCY Screened to VDE Standard

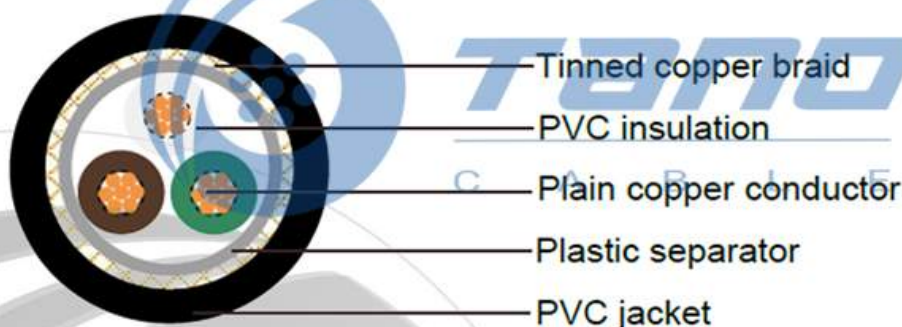
APPLICATION

LiYCY screened cables are suitable for flexible use with free movement, but without tensile stress or forced movements in dry wet and moist areas but are not suitable for open air application. LiYCY cables are ideal whenever construction requirements call for minimal outer diameter such as areas of tool making, machine industry, eletrotechnics, computers, measuring and controlling technics. The extremely small outer diameter makes the cable also suitable for miniature plugs.

STANDARD

VDE 0245, VDE 0812, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

CONSTRUCTION



LiYCY

Plain copper conductor

Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5

PVC core insulation to DIN VDE 0281 part 1

Color coded to DIN 47100, but without color repetition

Cores twisted into layers

Plastic foil separator

85% tinned copper braid

PVC outer jacket to DIN VDE 0281 part 1

TECHNICAL DATA

Working voltage: 250 volts

Test voltage: 1200/1500 volts

Minimum bending radius: 10 x Ø

Flexing temperature: -5° C to +70° C

Static temperature: -40° C to +80° C

Flame retardant: IEC 60332.1

Insulation resistance: 20 MΩ x km

CONSTRUCTION PARAMETER

AWG	No. of Cores x Nominal Cross Sectional Area	Nominal Overall Diameter	Nominal Copper Weight	Nominal Cable Weight
	No. x mm²	mm	kg/km	kg/km
26(18/38)	2X0.14	3.9	12	20
26(18/38)	3X0.14	4.1	13	28
26(18/38)	4X0.14	4.3	14.3	33
26(18/38)	5X0.14	4.6	15.5	38
26(18/38)	6X0.14	4.8	22	38
26(18/38)	7X0.14	4.9	19	49
26(18/38)	8X0.14	5.3	21.2	56
26(18/38)	10X0.14	5.9	28.5	66
26(18/38)	12X0.14	6.3	30.4	78
26(18/38)	14X0.14	6.5	32	80
26(18/38)	15X0.14	6.7	37.8	86
26(18/38)	16X0.14	6.8	43	90
26(18/38)	18X0.14	7.1	48.8	104
26(18/38)	20X0.14	7.6	53.9	116
26(18/38)	21X0.14	7.7	55.5	121
26(18/38)	25X0.14	8.5	63	149
26(18/38)	28X0.14	8.5	66.1	153
26(18/38)	30X0.14	8.7	69	158
26(18/38)	32X0.14	9	73.6	164
26(18/38)	36X0.14	9.3	83	183
26(18/38)	40X0.14	9.7	87.5	210
26(18/38)	44X0.14	10.3	110.5	225
26(18/38)	50X0.14	11.1	122.5	253
24(14/34)	2X0.25	4.5	16	32
24(14/34)	3X0.25	4.7	21	37

24(14/34)	4X0.25	5.1	24	41.3
24(14/34)	5X0.25	5.4	29	51.2
24(14/34)	6X0.25	5.8	30	58
24(14/34)	7X0.25	5.8	37	65
24(14/34)	8X0.25	6.5	42	73
24(14/34)	10X0.25	7.5	46	82
24(14/34)	12X0.25	7.7	59	145
24(14/34)	14X0.25	8.1	59	99
24(14/34)	15X0.25	8.4	61	111
24(14/34)	16X0.25	8.4	64	124
24(14/34)	18X0.25	8.8	83	143
24(14/34)	20X0.25	9.1	88	152.3
24(14/34)	21X0.25	9.3	93	161
24(14/34)	25X0.25	10.3	114	172
24(14/34)	28X0.25	10.8	126	181.1
24(14/34)	30X0.25	11.1	132	189
24(14/34)	32X0.25	11.4	138	203
24(14/34)	36X0.25	11.8	148	220
24(14/34)	40X0.25	12.3	157	248
24(14/34)	44X0.25	13.3	165	292.1
24(14/34)	50X0.25	13.9	178	318
24(14/34)	61X0.25	14.6	205	365.2
22(7/30)	2X0.34	4.9	21	37
22(7/30)	3X0.34	5.1	27	49
22(7/30)	4X0.34	5.5	33	59
22(7/30)	5X0.34	6.2	36	66
22(7/30)	6X0.34	6.8	36	64
22(7/30)	7X0.34	6.8	46	83
22(7/30)	8X0.34	7.3	52	94
22(7/30)	10X0.34	8.3	74	129.2
22(7/30)	12X0.34	8.5	80	142
22(7/30)	14X0.34	8.9	86	154
22(7/30)	15X0.34	9.2	90	155
22(7/30)	16X0.34	9.4	94	160
22(7/30)	18X0.34	9.8	103	173
22(7/30)	20X0.34	10.2	112	192
22(7/30)	21X0.34	10.3	116	199.2
22(7/30)	25X0.34	11.9	135	259
22(7/30)	28X0.34	12	153	280
22(7/30)	30X0.34	12.3	159	291.1
22(7/30)	32X0.34	13	165	305
22(7/30)	36X0.34	13.4	179	331
22(7/30)	40X0.34	13.9	200	365
22(7/30)	44X0.34	14.9	215	314.2

22(7/30)	50X0.34	15.9	235	431
20(16/32)	2X0.5	5.5	29	54
20(16/32)	3X0.5	5.8	38	67
20(16/32)	4X0.5	6.5	43	77
20(16/32)	5X0.5	7	51	90
20(16/32)	6X0.5	7.8	59	104
20(16/32)	7X0.5	7.8	65	112
20(16/32)	8X0.5	8.3	70	135
20(16/32)	10X0.5	9.5	88	160
20(16/32)	12X0.5	9.8	99	177
20(16/32)	18X0.5	11.8	134	239
20(16/32)	20X0.5	12.2	149	276
20(16/32)	25X0.5	14	211	352
20(16/32)	30X0.5	14.5	230	397
18(24/32)	2X0.75	5.9	38	64
18(24/32)	3X0.75	6.4	49	76
18(24/32)	4X0.75	7	58	92
18(24/32)	5X0.75	7.8	67	109
18(24/32)	7X0.75	8.4	100	156
18(24/32)	10X0.75	10.3	130	187
18(24/32)	12X0.75	11	154	218
18(24/32)	18X0.75	13	195	327
18(24/32)	25X0.75	15.6	280	454
18(24/32)	30X0.75	16.2	312	486
17(32/32)	2X1.0	6.5	43	72
17(32/32)	3X1.0	6.9	56	90
17(32/32)	4X1.0	7.6	68	109
17(32/32)	5X1.0	8.3	79	126
17(32/32)	7X1.0	9	118	171
17(32/32)	10X1.0	11.5	140	228
17(32/32)	12X1.0	11.9	168	259
17(32/32)	18X1.0	14	252	389
17(32/32)	25X1.0	16.7	335	517
16(30/30)	2X1.5	7.6	58	90
16(30/30)	3X1.5	8	74	115
16(30/30)	4X1.5	8.7	108	153
16(30/30)	5X1.5	9.5	129	176
16(30/30)	7X1.5	10.3	164	220
16(30/30)	12X1.5	13.9	254	376
16(30/30)	18X1.5	16.6	350	519
16(30/30)	25X1.5	20	550	901

Control Cable LiYCY TP to VDE Standard

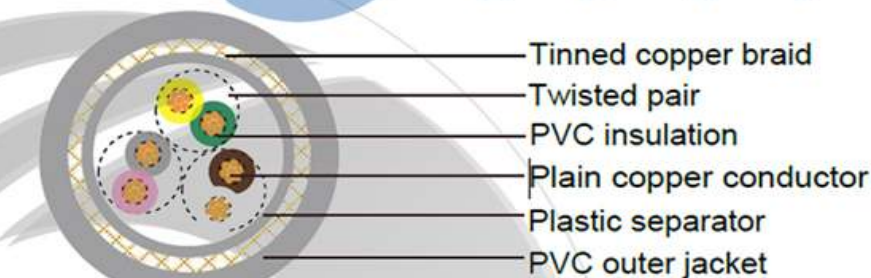
APPLICATION

LiYCY TP twisted cable is used for flexible use with free movement, but without tensile stress or forced movements in dry, wet and moist areas but are not suitable for open air application. It is commonly used as control and signal cable in the electronics of computer systems, electronic control equipment, office machines and measurement devices in the tool making and machine industries. The twisted pair construction reduces interference (crosstalk) within the cable while the tinned copper braid shield offers optimum protection from electrical and electromagnetic interference.

STANDARD

VDE 0812, VDE 0814, CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

CONSTRUCTION

LiYCY TP

Plain copper conductor

Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5

PVC core insulation to DIN VDE 0281 part 1

Color coded to DIN 47100, but without color repetition

Cores twisted into layers

Plastic foil separator

85% tinned copper braid

PVC outer jacket to DIN VDE 0281 part 1

TECHNICAL DATA

Working voltage: 250 volts

Test voltage: 1200 volts

Minimum bending radius: 5 x Ø

Flexing temperature: -5° C to +70° C

Static temperature: -30° C to +70° C

Flame retardant: IEC 60332.1

Insulation resistance: 20 MΩ x km

CONSTRUCTION PARAMETER



AWG	No. of Cores x Nominal Cross Sectional Area	Nominal Overall Diameter	Copper Weight	Cable Weight
	No. x mm ²	mm	kg/km	kg/km
26(18/38)	2 x 2 x 0.14	5.2	18.5	40
26(18/38)	3 x 2 x 0.14	5.6	23	49
26(18/38)	4 x 2 x 0.14	5.8	26.6	55
26(18/38)	5 x 2 x 0.14	6.5	30.7	66
26(18/38)	6 x 2 x 0.14	7.3	48.5	86
26(18/38)	7 x 2 x 0.14	7.5	51.1	91
26(18/38)	8 x 2 x 0.14	7.8	53.7	97
26(18/38)	10 x 2 x 0.14	8.5	59	109
26(18/38)	12 x 2 x 0.14	9.3	66	141
26(18/38)	14 x 2 x 0.14	10	74	148
26(18/38)	15 x 2 x 0.14	10.3	76	152
26(18/38)	16 x 2 x 0.14	10.7	79	155
26(18/38)	18 x 2 x 0.14	11	83	171
26(18/38)	20 x 2 x 0.14	11.2	97	183
26(18/38)	22 x 2 x 0.14	11.6	103	205
26(18/38)	24 x 2 x 0.14	12	111	228
26(18/38)	25 x 2 x 0.14	12.4	113	239
26(18/38)	26 x 2 x 0.14	12.8	122	245
26(18/38)	27 x 2 x 0.14	13	125	251

26(18/38)	28 x 2 x 0.14	13.2	128	258
26(18/38)	30 x 2 x 0.14	13.6	140	270
26(18/38)	32 x 2 x 0.14	14.2	145	284
26(18/38)	34 x 2 x 0.14	14.6	150	300
26(18/38)	36 x 2 x 0.14	14.8	156	316
26(18/38)	38 x 2 x 0.14	15	162	350
26(18/38)	40 x 2 x 0.14	15.4	177	370
26(18/38)	44 x 2 x 0.14	16	181	390
26(18/38)	46 x 2 x 0.14	16.4	195	430
26(18/38)	50 x 2 x 0.14	17.8	202	440
26(18/38)	52 x 2 x 0.14	18	206	460
26(18/38)	55 x 2 x 0.14	18.8	210	480
24(14/34)	2 x 2 x 0.25	6.3	28	53
24(14/34)	3 x 2 x 0.25	6.7	32	65
24(14/34)	4 x 2 x 0.25	6.8	38	80
24(14/34)	5 x 2 x 0.25	7.8	55	98
24(14/34)	6 x 2 x 0.25	8.8	65	114
24(14/34)	7 x 2 x 0.25	8.9	70	121
24(14/34)	8 x 2 x 0.25	9.6	75	129
24(14/34)	10 x 2 x 0.25	10.6	110	157
24(14/34)	12 x 2 x 0.25	11.6	117	189
24(14/34)	14 x 2 x 0.25	12	122	213
24(14/34)	15 x 2 x 0.25	12.5	134	225
24(14/34)	16 x 2 x 0.25	13	143	237
24(14/34)	18 x 2 x 0.25	13.2	148	248
24(14/34)	20 x 2 x 0.25	13.7	162	275
24(14/34)	22 x 2 x 0.25	14.4	172	303
24(14/34)	24 x 2 x 0.25	15	223	330
24(14/34)	25 x 2 x 0.25	15.4	233	343
24(14/34)	26 x 2 x 0.25	15.8	238	345
24(14/34)	27 x 2 x 0.25	16.2	244	350
24(14/34)	28 x 2 x 0.25	16.3	249	360
24(14/34)	30 x 2 x 0.25	16.7	254	375
24(14/34)	32 x 2 x 0.25	16.9	290	400
24(14/34)	34 x 2 x 0.25	17.5	312	410
24(14/34)	36 x 2 x 0.25	17.7	322	420
24(14/34)	38 x 2 x 0.25	18	339	450
24(14/34)	40 x 2 x 0.25	18.8	349	485
24(14/34)	44 x 2 x 0.25	19	359	500
24(14/34)	46 x 2 x 0.25	19.2	398	540
24(14/34)	50 x 2 x 0.25	19.9	403	550
24(14/34)	52 x 2 x 0.25	20	435	580
24(14/34)	55 x 2 x 0.25	21	464	630
22(7/30)	2 x 2 x 0.34	6.3	36.9	65
22(7/30)	3 x 2 x 0.34	7.5	44.9	78

22(7/30)	4 x 2 x 0.34	8	54.2	90
22(7/30)	5 x 2 x 0.34	8.9	63.5	110
22(7/30)	6 x 2 x 0.34	10.5	73.1	130
22(7/30)	7 x 2 x 0.34	10.7	79.5	145
22(7/30)	8 x 2 x 0.34	10.9	88.4	150
22(7/30)	9 x 2 x 0.34	11.4	99.3	170
22(7/30)	10 x 2 x 0.34	12	106.9	190
22(7/30)	12 x 2 x 0.34	13.2	122.1	220
22(7/30)	14 x 2 x 0.34	13.6	138.2	245
22(7/30)	16 x 2 x 0.34	15.1	154.2	250
22(7/30)	18 x 2 x 0.34	15.2	197.9	275
22(7/30)	21 x 2 x 0.34	16.2	214.4	300
22(7/30)	25 x 2 x 0.34	17.9	238.5	400
22(7/30)	27 x 2 x 0.34	18.2	262.5	410
22(7/30)	30 x 2 x 0.34	19	286.6	440
22(7/30)	34 x 2 x 0.34	20	310.1	510
22(7/30)	37 x 2 x 0.34	20.3	368.7	550
22(7/30)	40 x 2 x 0.34	21	392.6	590
22(7/30)	44 x 2 x 0.34	22.2	424.3	600
22(7/30)	50 x 2 x 0.34	23.5	455.9	650
22(7/30)	52 x 2 x 0.34	24.6	487.6	680
22(7/30)	56 x 2 x 0.34	25.1	518.5	750
22(7/30)	61 x 2 x 0.34	26.3	557.2	840
20(16/32)	2 x 2 x 0.5	7.8	54	89
20(16/32)	3 x 2 x 0.5	8.5	70	104
20(16/32)	4 x 2 x 0.5	9.1	91	126
20(16/32)	5 x 2 x 0.5	10.4	105	148
20(16/32)	6 x 2 x 0.5	11.8	120	171
20(16/32)	8 x 2 x 0.5	13.1	144	290
20(16/32)	10 x 2 x 0.5	14.3	178	320
20(16/32)	12 x 2 x 0.5	15	199	261
20(16/32)	16 x 2 x 0.5	17.5	254	421
20(16/32)	20 x 2 x 0.5	19.5	302	580
20(16/32)	25 x 2 x 0.5	22.5	344	740
18(24/32)	2 x 2 x 0.75	8.2	58	105
18(24/32)	3 x 2 x 0.75	9	84	128
18(24/32)	4 x 2 x 0.75	9.2	108	156
18(24/32)	5 x 2 x 0.75	11	126	189
18(24/32)	6 x 2 x 0.75	12.4	146	216
18(24/32)	8 x 2 x 0.75	14.1	180	309
18(24/32)	10 x 2 x 0.75	15.3	220	355
18(24/32)	12 x 2 x 0.75	16.4	261	405
18(24/32)	16 x 2 x 0.75	19.2	328	565
18(24/32)	20 x 2 x 0.75	21.2	392	700
18(24/32)	25 x 2 x 0.75	23.5	470	950

17(32/32)	2 x 2 x 1.0	8.9	82	116
17(32/32)	3 x 2 x 1.0	9.5	103	140
17(32/32)	4 x 2 x 1.0	10.5	132	190
17(32/32)	5 x 2 x 1.0	14.3	161	265
17(32/32)	7 x 2 x 1.0	16.5	208	411
16(30/30)	2 x 2 x 1.5	10.7	110	122
16(30/30)	3 x 2 x 1.5	11.6	135	193
16(30/30)	4 x 2 x 1.5	13	171	240
16(30/30)	5 x 2 x 1.5	15.2	211	339
16(30/30)	7 x 2 x 1.5	17.5	295	475

Control Cable SY Steel Wire Braid to VDE 0250 Standard

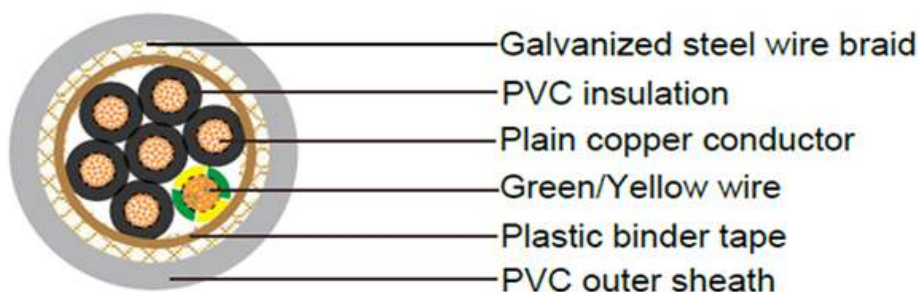
APPLICATION

SY Steel Wire Braid Cable is supplied to a wide number of industries including building and construction (often in airports), rail and transport infrastructure, transmission, distribution and power networks as well as automation and process control. SY Cable is used as interconnecting cable for measuring, controlling or regulation in signal and control equipment. This braided control cable is found frequently on assembly and production lines, conveyors, in computer units and machine tool manufacture. The SY Cable's flexible and versatile design makes it a great choice for linking fixed and mobile equipment – as well as projects where fixed installations are required. With the right protection (such as keeping it out of direct sunlight), SY Control Cable is useful for outdoor installations. The SY Flex is most suitable, however, for work in dry or moist indoor environments.

STANDARD

BS6500, VDE0250

CONSTRUCTION



SY

Plain copper conductor

Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 IEC 60228 cl.5

PVC core insulation type Y12

Black with White numbers

Green-yellow grounding (3 conductors and above)

PVC bedding type YM2

Galvanized Steel Wire Braid

Transparent PVC outer jacket type YM2

TANO
C A B L E

TECHNICAL DATA

Working voltage: 300/500 volts

Test voltage: 3000 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

CONSTRUCTION PARAMETER

AWG	No. of Cores x Nominal Cross Sectional Area	Diameter over Bedding	Diameter Over Braid	Nominal Overall Diameter	Cable Weight
	No. x mm ²	mm	mm	kg/km	kg/km
20(16/32)	2 x 0.5	5.5	6.5	8.3	91
20(16/32)	3 x 0.5	5.7	6.7	8.6	99
20(16/32)	4 x 0.5	6.2	7.2	9.1	113
20(16/32)	5 x 0.5	6.7	7.7	9.7	129
20(16/32)	7 x 0.5	7.3	8.3	10.3	150
20(16/32)	12 x 0.5	9.7	10.7	12.4	214
20(16/32)	18 x 0.5	11.2	12.4	14.3	298
20(16/32)	25 x 0.5	13.7	14.9	16.8	400
20(16/32)	30 x 0.5	14.2	15.4	17.7	454
20(16/32)	35 x 0.5	15.9	17.1	19.9	585
20(16/32)	41 x 0.5	17.5	18.7	21.5	671
20(16/32)	50 x 0.5	18.4	19.6	21.9	694
20(16/32)	60 x 0.5	20	21.2	24.2	895
18(24/32)	2 x 0.75	6.1	7.1	9	85
18(24/32)	3 x 0.75	6.4	7.4	9.3	116
18(24/32)	4 x 0.75	6.9	7.9	9.8	133
18(24/32)	5 x 0.75	7.6	8.6	10.5	155
18(24/32)	7 x 0.75	8.3	9.3	11.2	182
18(24/32)	12 x 0.75	10.8	11.8	13.7	266
18(24/32)	18 x 0.75	13.1	14.3	16.2	388
18(24/32)	25 x 0.75	15.6	16.8	19.1	521
18(24/32)	30 x 0.75	16.1	17.3	19.6	572
18(24/32)	35 x 0.75	17.9	19.1	21.4	684
18(24/32)	50 x 0.75	20.9	22.1	24.8	909
18(24/32)	60 x 0.75	22.3	23.8	26.4	1050
17(32/32)	2 x 1.0	6.3	7.3	9.3	101
17(32/32)	3 x 1.0	6.6	7.6	9.5	126
17(32/32)	4 x 1.0	7.2	8.2	10.1	146
17(32/32)	5 x 1.0	7.9	8.9	10.8	171
17(32/32)	7 x 1.0	8.6	9.6	11.5	203
17(32/32)	12 x 1.0	11.2	12.4	14.3	314
17(32/32)	18 x 1.0	13.6	14.8	16.7	441
17(32/32)	25 x 1.0	16.2	17.4	19.7	594
17(32/32)	30 x 1.0	16.8	18	20.3	658
17(32/32)	35 x 1.0	18.6	19.8	22.1	786
17(32/32)	50 x 1.0	21.8	23.3	25.9	1070
17(32/32)	60 x 1.0	23.6	25.1	27.7	1240
16(30/30)	2 x 1.5	6.8	7.8	9.8	114
16(30/30)	3 x 1.5	7.2	8.2	10.1	145
16(30/30)	4 x 1.5	7.9	8.9	10.8	171
16(30/30)	5 x 1.5	8.7	9.7	11.6	202

16(30/30)	7 x 1.5	9.5	10.5	12.4	242
16(30/30)	12 x 1.5	12.8	14	15.9	394
16(30/30)	18 x 1.5	15.1	16.3	18.6	553
16(30/30)	25 x 1.5	18.4	19.6	21.9	746
16(30/30)	30 x 1.5	19.1	20.3	23	850
16(30/30)	35 x 1.5	20.7	21.9	24.6	990
16(30/30)	50 x 1.5	24.7	26.2	29.2	1380
16(30/30)	60 x 1.5	26.3	27.8	30.8	1570
14(30/50)	2 x 2.5	8	9	11	143
14(30/50)	3 x 2.5	8.5	9.5	11.4	193
14(30/50)	4 x 2.5	9.4	10.4	12.3	232
14(30/50)	5 x 2.5	10.3	11.3	13.2	277
14(30/50)	7 x 2.5	11.3	12.5	14.4	353
14(30/50)	12 x 2.5	15.3	16.5	18.8	575
14(30/50)	18 x 2.5	18.5	19.7	22	818
14(30/50)	25 x 2.5	22.1	23.6	26.2	1130
14(30/50)	30 x 2.5	23.4	24.9	27.5	1290
14(30/50)	35 x 2.5	25.3	26.8	29.8	1540
14(30/50)	50 x 2.5	29.8	31.3	34.7	2060
14(30/50)	60 x 2.5	31.7	33.2	36.6	2350
12(56/28)	3 x 4.0	11.5	12.8	14.8	312
12(56/28)	4 x 4.0	12.7	13.9	15.8	384
12(56/28)	5 x 4.0	14	15.2	17.5	478
12(56/28)	7 x 4.0	15.3	16.5	18.8	587
10(84/28)	2 x 6.0	12.2	13.4	15.4	316
10(84/28)	3 x 6.0	13	14.2	16.2	407
10(84/28)	4 x 6.0	14.4	15.6	17.9	508
10(84/28)	5 x 6.0	15.9	17.1	19.4	617
10(84/28)	7 x 6.0	17.9	19.1	21.4	789
8(80/26)	2 x 10.0	15.3	16.5	18.9	467
8(80/26)	3 x 10.0	16.5	17.7	20.1	621
8(80/26)	4 x 10.0	18.4	19.6	21.9	779
8(80/26)	5 x 10.0	20.4	21.6	24.3	978
8(80/26)	7 x 10.0	22.4	23.9	26.5	1250
6(128/26)	3 x 16.0	19.7	20.8	23.8	857
6(128/26)	4 x 16.0	21.4	22.7	25.5	1040
6(128/26)	5 x 16.0	24.1	25.4	28.6	1300
4(200/26)	3 x 25.0	21.4	22.7	25.5	1110
4(200/26)	4 x 25.0	23.8	25.1	27.2	1350
4(200/26)	5 x 25.0	26.4	27.7	31.3	1740
4(200/26)	5 x 35.0	-	-	36	3185

Control Cable YY LSZH to VDE 0250 Standard

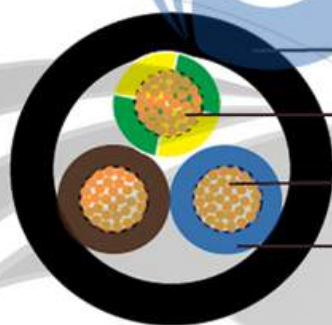
APPLICATION

YY LSZH Control Flexible Cable is suitable for electrical installations in dry and damp interiors and outdoors if UV protection and temperature ranges are observed. It is suitable as a measurement, sensing and control cable in the machine tool manufacturing, engineering, power stations, heating and air conditioning installations, refrigeration and data processing installations. Can be used outdoors when protected, and in dry or moist conditions indoors.

STANDARD

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

CONSTRUCTION



TANO

- C A B L E
- LSOH outer jacket
- Green/Yellow wire
- Plain copper conductor
- LSOH insulation

YY LSOH

Plain copper conductor

Stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5

LSOH core insulation

Color coded to VDE-0293-308

Green-yellow grounding (3 conductors and above)

LSOH outer jacket

TECHNICAL DATA

Working voltage: 300/500 volts

Test voltage: 3000 volts

Minimum bending radius: 10 x Ø

Flexing temperature: -5° C to +85° C

Static temperature: -35° C to +85° C

Short circuit temperature: +160° C

Flame retardant: IEC 60332.3

Insulation resistance: 20 MΩ x km

CONSTRUCTION PARAMETER

AWG	No. of Cores x Nominal Cross Sectional Area	Nominal Overall Diameter	Nominal Copper Weight	Nominal Cable Weight
	No. x mm ²	mm	kg/km	kg/km
20(16/32)	2 x 0.5	4.8	9.6	40
20(16/32)	3 x 0.5	5.1	14.4	47
20(16/32)	4 x 0.5	5.7	19.2	57
20(16/32)	5 x 0.5	6.2	24	66
20(16/32)	7 x 0.5	7.1	33.6	85
20(16/32)	12 x 0.5	8.9	58	133
18(24/32)	2 x 0.75	5.4	14.4	50
18(24/32)	3 x 0.75	5.7	21.6	60
18(24/32)	4 x 0.75	6.2	28.8	73
18(24/32)	5 x 0.75	6.7	36	88
18(24/32)	7 x 0.75	7.7	50	109
18(24/32)	9 x 0.75	9.4	65	162
18(24/32)	12 x 0.75	9.9	86	190
18(24/32)	18 x 0.75	11.7	130	268
18(24/32)	25 x 0.75	13.8	180	374
17(32/32)	2 x 1.0	5.7	19.2	57
17(32/32)	3 x 1.0	6	28.8	73
17(32/32)	4 x 1.0	6.5	38.4	85
17(32/32)	5 x 1.0	7.1	48	105
17(32/32)	7 x 1.0	8.3	67	131
17(32/32)	8 x 1.0	9.5	77	146
17(32/32)	12 x 1.0	10.5	115	220
17(32/32)	14 x 1.0	11.2	134	249
17(32/32)	18 x 1.0	12.7	173	315
17(32/32)	25 x 1.0	14.7	240	449

17(32/32)	41 x 1.0	18.8	394	698
16(30/30)	2 x 1.5	6.3	29	77
16(30/30)	3 x 1.5	6.7	43	95
16(30/30)	4 x 1.5	7.2	58	117
16(30/30)	5 x 1.5	8.1	72	144
16(30/30)	7 x 1.5	9.9	101	183
16(30/30)	8 x 1.5	10.6	115	205
16(30/30)	9 x 1.5	11.4	130	220
16(30/30)	12 x 1.5	12	173	307
16(30/30)	14 x 1.5	12.6	202	349
16(30/30)	18 x 1.5	14.4	259	465
16(30/30)	25 x 1.5	16.9	360	655
16(30/30)	34 x 1.5	22	490	945
14(30/50)	2 x 2.5	7.5	48	123
14(30/50)	3 x 2.5	8.1	72	152
14(30/50)	4 x 2.5	8.9	96	192
14(30/50)	5 x 2.5	10	120	243
14(30/50)	7 x 2.5	12.3	168	310
14(30/50)	12 x 2.5	14.8	288	524
12(56/28)	4x4	10.8	154	299
12(56/28)	5x4	12.1	192	363
12(56/28)	7x4	14.9	269	488
10(84/28)	4x6	13	230	480
10(84/28)	5x6	14.1	288	583
10(84/28)	7x6	17.5	404	782

Control Cable YY to VDE 0250 Standard

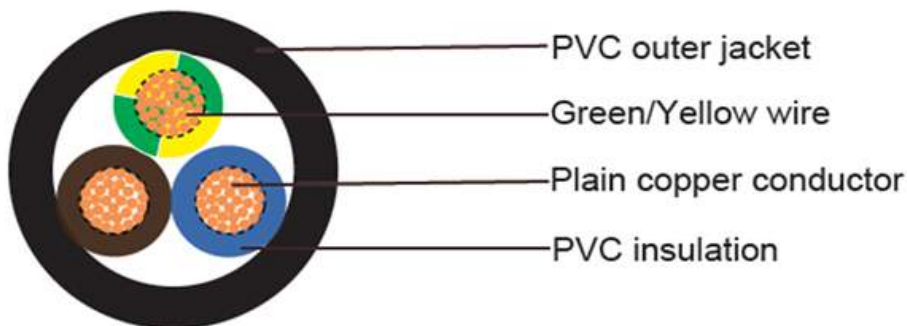
APPLICATION

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

Generally to BS6500, VDE0250

CONSTRUCTION



YY

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

TANO
C A B L E

TECHNICAL DATA

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

CONSTRUCTION PARAMETER

AWG	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Thickness of Sheath	Nominal Overall Diameter	Nominal Cable Weight
	No. x mm ²	mm	mm	mm	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	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	94
14(50/30)	3 x 2.50	0.7	1	9	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	1.3	15	478
6(128/26)	3 x 16.00	1	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	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	1.3	17.2	607
6(128/26)	4 x 16.00	1	1.5	20.2	888
4(200/26)	4 x 25.00	1.3	1.9	24.9	1352
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	79
17(32/32)	5 x 1.00	0.5	0.9	7	96
16(30/30)	5 x 1.50	0.6	1	9.2	146
14(50/30)	5 x 2.50	0.7	1.1	11	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	1.3	18.9	744
6(128/26)	5 x 16.00	1	1.5	22.2	1090
4(200/26)	5 x 25.00	1.3	1.9	29	1774
20(16/32)	7 x 0.50	0.5	0.9	7	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	8.6	132
16(30/30)	7 x 1.50	0.6	1	10.1	183
14(50/30)	7 x 2.50	0.7	1.2	12	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	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	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



TANO
C A B L E





河南泰诺电缆有限公司

HENAN TANO CABLE CO.,LTD.

Website: <http://www.tanocable.com/>

Tel.: 0086-371-60306197

Fax: 0086-371-60306197

Email: info@tanocable.com

Address: Zhengzhou City, Henan
Province, China.

Zip: 450000