

拖链电缆系列 ENERGY CHAIN CABLES

TLY(c)Y 300/500V 18×0.5mm² SHANGHAI HANKE WIRE CO., LTD.



应用范围

适用于机械和设备制造,运输和传输技术,无强应力或强制引导的自由连续往复运动下的频繁弯曲场合。

APPLICATIONS

For machinery and equipment manufacturing, transportation and transmission application where the cable will do continuous reciprocating motion and free frequent bending motion without strong stress or strong guiding force.

电线结构

多股超细精裸束绞铜丝或镀锡铜丝导体;
 特殊PVC绝缘, 编织屏蔽, 特殊PVC护套;
 弯曲寿命300万次以上。

WIRE MAKE-UP

Multi-stranded fine bare copper/tincopper conductor;
 special PVC insulation, mesh shield, special PVC sheath.
 Bending life more than 3000000 times.

技术参数

- ① 温度范围: -25°C ~ +70°C(固定)-5°C ~ +70°C(移动)
- ② 额定电压: U₀/U 300/500V
- ③ 符合标准: VDE 0245/0281
- ④ 导体标准: VDE 0295/IEC 60228 6类
- ⑤ 弯曲半径: 大于6× 电线外径(固定安装)
 大于10× 电线外径(移动安装)

TECHNICAL DATA

- ① Operating Temp.:
 -25°C ~ +70°C for fixed wiring
 -5°C ~ +70°C for movable wiring
- ② Rated Voltage: U₀/U 300/500V
- ③ Governing Standards: VDE 0245/0281
- ④ Conductor Standards: Category 6 in VDE 0295/IEC 60228
- ⑤ Bending Radius:
 more than 6 × wire O.D. (fixed wiring)
 more than 10 × wire O.D. (movable wiring)

导体截面 Cross Section 芯数 × mm ² Core No. × mm ²	导体结构 芯数 × 根数/单根直径 Conductor Structure Core No. × Cond. No./O.D	标称外径 Nominal O.D. mm	重量(近似) Approx. Weight Kg/Km	导体20°C时 最大电阻 Max. Cond. R@20°C ≤ (Ω/Km)	环境温度 30°C架空时 参考载流量(A) Ampacity@30°C Ambient (aerial cable)
2×0.5	2×28/0.15	5.3	40.8	39.0	9
3×0.5	3×28/0.15	5.7	48.0	39.0	7
4×0.5	4×28/0.15	6.1	56.4	39.0	7
5×0.5	5×28/0.15	6.5	64.8	39.0	
7×0.5	7×28/0.15	7.4	84.0	39.0	
12×0.5	12×28/0.15	8.8	124	39.0	
18×0.5	18×28/0.15	10.1	166	39.0	
25×0.5	25×28/0.15	11.8	259	39.0	
2×0.75	2×42/0.15	6.1	56.4	26.0	11
3×0.75	3×42/0.15	6.6	66.0	26.0	8
4×0.75	4×42/0.15	6.9	79.2	26.0	8
5×0.75	5×42/0.15	7.2	92.4	26.0	
7×0.75	7×42/0.15	8.1	120	26.0	
12×0.75	12×42/0.15	9.6	179	26.0	
18×0.75	18×42/0.15	11.3	283	26.0	
25×0.75	25×42/0.15	13.3	374	26.0	
2×1	2×56/0.15	6.3	63.6	19.5	13
3×1	3×56/0.15	6.8	76.8	19.5	10
4×1	4×56/0.15	7.1	92.4	19.5	10
5×1	5×56/0.15	7.6	109	19.5	
7×1	7×56/0.15	9.1	143	19.5	
12×1	12×56/0.15	10.8	232	19.5	
18×1	18×56/0.15	12.3	342	19.5	

(续)

导体截面 Cross Section 芯数 × mm ² Core No. × mm ²	导体结构 芯数 × 根数/单根直径 Conductor Structure Core No. × Cond. No./O.D	标称外径 Nominal O.D. mm	重量(近似) Approx. Weight Kg/Km	导体20℃时 最大电阻 Max. Cond. R@20℃ ≤ (Ω/Km)	环境温度 30℃架空时 参考载流量(A) Ampacity@30℃ Ambient (aerial cable)
25 × 1	25 × 56/0.15	14.3	455	19.5	
2 × 1.5	2 × 84/0.15	7.4	84.0	13.3	17
3 × 1.5	3 × 84/0.15	7.5	103	13.3	11
4 × 1.5	4 × 84/0.15	8.4	125	13.3	11
5 × 1.5	5 × 84/0.15	8.6	149	13.3	
7 × 1.5	7 × 84/0.15	10.6	210	13.3	
12 × 1.5	12 × 84/0.15	12.3	346	13.3	
18 × 1.5	18 × 84/0.15	13.0	475	13.3	
25 × 1.5	25 × 84/0.15	13.8	690	13.3	
2 × 2.5	2 × 140/0.15	8.9	121	7.98	24
3 × 2.5	3 × 140/0.15	9.1	151	7.98	18
4 × 2.5	4 × 140/0.15	9.8	186	7.98	18
5 × 2.5	5 × 140/0.15	10.9	238	7.98	
7 × 2.5	7 × 140/0.15	12.4	336	7.98	
12 × 2.5	12 × 140/0.15	15.3	529	7.98	
18 × 2.5	18 × 140/0.15	17.0	781	7.98	
25 × 2.5	25 × 140/0.15	21.8	1081	7.98	
4 × 4	4 × 224/0.15	12.6	301	4.95	25
7 × 4	7 × 224/0.15	16.7	480	4.95	

▲ 载流量是周围温度设定在30℃时的计算值。电线芯数、周围温度、布线状况等条件改变时应乘以系数。(见附录)

▲ Current-carrying capacity is the calculated value based on a ambient temperature of 30℃ and is to be multiplied by a factor when application conditions including number of cores, ambient temperature and wiring condition are changed. (see Appendix)