

TLYY 0.6/1.0KV 4mm<sup>2</sup> SHANGHAI HANKE WIRE CO., LTD.

TLY(c)Y 0.6/1.0KV 4mm<sup>2</sup> 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。

### 电线结构

多股超细精裸束绞铜丝或镀锡铜丝导体;  
 绝缘与护套间加铜丝编织屏蔽(TLY(c)Y型);  
 特殊PVC绝缘, 特殊PVC护套, 弯曲寿命300万次以上。

### 技术参数

- ① 温度范围: -25℃ ~ +70℃(固定) -5℃ ~ +70℃(移动)
- ② 额定电压: U<sub>0</sub>/U 600/1000V
- 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4 × 电线外径(固定安装)  
大于7.5 × 电线外径(移动安装)

### 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.

### WIRE MAKE-UP

Multi-stranded fine bare copper/tincopper conductor;  
 copper mesh shield between insulation and sheath (TLY(c)Y);  
 special PVC insulation and special PVC sheath.  
 Bending life more than 3000000 times.

### TECHNICAL DATA

- ① Operating Temp.:  
-25℃ ~ +70℃ for fixed wiring  
-5℃ ~ +70℃ for movable wiring
- ② Rated Voltage: U<sub>0</sub>/U 600/1000V
- ③ Governing Standards: VDE 0245/0281
- ④ Conductor Standards: Category 6 in VDE 0295/IEC 60228
- ⑤ Bending Radius:  
more than 4 × wire O.D. (fixed wiring)  
more than 7.5 × wire O.D. (movable wiring)

导体截面 Cross Section mm <sup>2</sup>	导体结构 根数/单根直径 Conductor Structure 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)
<b>非屏蔽型 ( TLYY ) 0.6/1KV</b>					
4	224/0.15	6.5	65.0	4.95	40
6	192/0.20	8.8	75.0	3.30	51
10	320/0.20	9.4	154	1.91	74
16	512/0.20	10.6	210	1.21	100
25	800/0.20	12.6	270	0.780	135
35	1120.0.20	13.9	370	0.554	165
50	705/0.30	16.0	560	0.386	215
70	990/0.30	18.8	790	0.272	260
95	1340/0.30	21.7	1050	0.206	340
120	1690/0.30	24.0	1310	0.161	365
<b>屏蔽型 ( TLY(c)Y ) 0.6/1KV</b>					
4	224/0.15	7.2	101	4.95	40
6	192/0.20	9.2	141	3.30	51
10	320/0.20	10.5	181	1.91	74
16	512/0.20	11.0	249	1.21	100
25	800/0.20	13.5	323	0.780	135
35	1120.0.20	15.1	451	0.554	165
50	705/0.30	17.1	651	0.386	216
70	990/0.30	20.1	893	0.272	260
95	1340/0.30	22.6	1180	0.206	340
120	1690/0.30	25.6	1450	0.161	365

▲ 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)