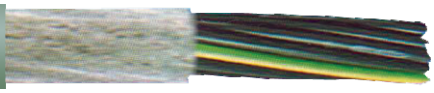
TLYY型 聚氯乙烯绝缘及护套柔性拖链电缆
TLYY Flexible Energy Chain Cable, PVC-insulated and sheathed

Hanke® 汉科电线

拖链电缆系列 ENERGY CHAIN CABLES

TLYY 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，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 and special PVC sheath.
Bending life more than 3000000 times.

技术参数
- 温度范围：-25℃ ~ +70℃(固定)-5℃ ~ +70℃(移动)
- 额定电压：U_0/U 300/500V
- 符合标准：VDE 0245/0281
- 导体标准：VDE 0295/IEC 60228 6类
- 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)

TECHNICAL DATA
- Operating Temp.:
  -25℃ ~ +70℃ for fixed wiring
  -5℃ ~ +70℃ for movable wiring
- Rated Voltage: U_0/U 300/500V
- Governing Standards: VDE 0245/0281
- Conductor Standards: Category 6 in VDE 0295/IEC 60228
- 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 芯数×mm² Core No.×mm²	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)
3×0.5	3×28/0.15	5.1	43.0	39.0	7
4×0.5	4×28/0.15	5.5	48.0	39.0	7
5×0.5	5×28/0.15	5.9	56.0	39.0	
7×0.5	7×28/0.15	6.8	70.0	39.0	
12×0.5	12×28/0.15	8.2	108	39.0	
18×0.5	18×28/0.15	9.5	150	39.0	
25×0.5	25×28/0.15	11.0	202	39.0	
40×0.5	40×28/0.15	14.0	303	39.0	
2×0.75	2×42/0.15	5.5	44.0	26.0	11
3×0.75	3×42/0.15	6.0	52.0	26.0	8
4×0.75	4×42/0.15	6.3	63.0	26.0	8
5×0.75	5×42/0.15	6.6	74.0	26.0	
7×0.75	7×42/0.15	7.5	94.0	26.0	
12×0.75	12×42/0.15	9.0	149	26.0	
14×0.75	14×42/0.15	9.5	168	26.0	
18×0.75	18×42/0.15	10.5	208	26.0	
25×0.75	25×42/0.15	12.5	282	26.0	
2×1	2×56/0.15	5.7	52.0	19.5	13
3×1	3×56/0.15	6.2	63.0	19.5	10
4×1	4×56/0.15	6.5	76.0	19.5	10
5×1	5×56/0.15	7.0	89.0	19.5	
7×1	7×56/0.15	8.5	115	19.5	
12×1	12×56/0.15	10.0	162	19.5	

（续）

导体截面 Cross Section 芯数×mm² Core No.×mm²	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)
18×1	18×56/0.15	11.5	258	19.5	
25×1	25×56/0.15	13.5	350	19.5	
34×1	34×56/0.15	15.0	459	19.5	
42×1	42×56/0.15	16.5	554	19.5	
50×1	50×56/0.15	18.0	654	19.5	
2×1.5	2×84/0.15	6.8	76.0	13.3	17
3×1.5	3×84/0.15	6.9	113	13.3	11
4×1.5	4×84/0.15	7.8	128	13.3	11
5×1.5	5×84/0.15	8.0	160	13.3	
7×1.5	7×84/0.15	9.8	201	13.3	
12×1.5	12×84/0.15	11.5	260	13.3	
18×1.5	18×84/0.15	12.2	318	13.3	
25×1.5	25×84/0.15	13.0	509	13.3	
40×1.5	40×84/0.15	17.3	671	13.3	
50×1.5	50×84/0.15	24.5	1300	13.3	
3×2.5	3×140/0.15	8.5	170	7.98	18
4×2.5	4×140/0.15	9.2	216	7.98	18
5×2.5	5×140/0.15	10.1	266	7.98	
7×2.5	7×140/0.15	11.6	330	7.98	
12×2.5	12×140/0.15	14.5	550	7.98	
18×2.5	18×140/0.15	16.2	820	7.98	
25×2.5	25×140/0.15	21.0	1124	7.98	
2×4	2×224/0.15	9.6	210	4.95	34
4×4	4×224/0.15	11.8	300	4.95	25
5×4	5×224/0.15	13.2	380	4.95	
7×4	7×224/0.15	15.9	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)