

TLY(C)PUR 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,无强应力或强制引力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;
TPE绝缘, 编织屏蔽, PUR护套;
弯曲寿命500万次以上。

WIRE MAKE-UP

Multi-stranded fine bare copper/tincopper conductor;
TPE insulation, mesh shield, PUR sheath;
Bending life more than 5000000 times.

技术参数

- 温度范围: -40℃ ~ +80℃(固定)-25℃ ~ +80℃(移动)
- 额定电压: U₀/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6 × 电线外径(固定安装)
大于10 × 电线外径(移动安装)

TECHNICAL DATA

- Operating Temp.:
-40℃ ~ +80℃ for fixed wiring
-25℃ ~ +80℃ for movable wiring
- Rated Voltage: U₀/U 300/500V
- Governing Standards: VDE 0245/0281
- Conductor Standards: Category 6 in VDE 0295/IEC 60228
- 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℃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) Ambient (aerial cable)
2 × 0.5	2 × 28/0.15	5.3	34.0	39.0	9
3 × 0.5	3 × 28/0.15	5.7	40.0	39.0	7
4 × 0.5	4 × 28/0.15	6.1	47.0	39.0	7
5 × 0.5	5 × 28/0.15	6.5	54.0	39.0	
7 × 0.5	7 × 28/0.15	7.4	70.0	39.0	
12 × 0.5	12 × 28/0.15	8.8	103	39.0	
18 × 0.5	18 × 28/0.15	10.1	138	39.0	
25 × 0.5	25 × 28/0.15	11.8	216	39.0	
2 × 0.75	2 × 42/0.15	6.1	47.0	26.0	11
3 × 0.75	3 × 42/0.15	6.6	55.0	26.0	8
4 × 0.75	4 × 42/0.15	6.9	66.0	26.0	8
5 × 0.75	5 × 42/0.15	7.2	77.0	26.0	
7 × 0.75	7 × 42/0.15	8.1	100	26.0	
12 × 0.75	12 × 42/0.15	9.6	149	26.0	
18 × 0.75	18 × 42/0.15	11.3	236	26.0	
25 × 0.75	25 × 42/0.15	13.3	312	26.0	
2 × 1	2 × 56/0.15	6.3	53.0	19.5	13
3 × 1	3 × 56/0.15	6.8	64.0	19.5	10
4 × 1	4 × 56/0.15	7.1	77.0	19.5	10
5 × 1	5 × 56/0.15	7.6	91.0	19.5	
7 × 1	7 × 56/0.15	9.1	119	19.5	
12 × 1	12 × 56/0.15	10.8	193	19.5	
18 × 1	18 × 56/0.15	12.3	285	19.5	

拖链电缆系列 ENERGY CHAIN CABLES

(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	379	19.5	
2 × 1.5	2 × 84/0.15	7.4	70.0	13.3	17
3 × 1.5	3 × 84/0.15	7.5	86.0	13.3	11
4 × 1.5	4 × 84/0.15	8.4	104	13.3	11
5 × 1.5	5 × 84/0.15	8.6	124	13.3	
7 × 1.5	7 × 84/0.15	10.6	175	13.3	
12 × 1.5	12 × 84/0.15	12.3	288	13.3	
18 × 1.5	18 × 84/0.15	13.0	396	13.3	
25 × 1.5	25 × 84/0.15	13.8	575	13.3	
2 × 2.5	2 × 140/0.15	8.9	101	7.98	24
3 × 2.5	3 × 140/0.15	9.1	126	7.98	18
4 × 2.5	4 × 140/0.15	9.8	155	7.98	18
5 × 2.5	5 × 140/0.15	10.9	198	7.98	
7 × 2.5	7 × 140/0.15	12.4	280	7.98	
12 × 2.5	12 × 140/0.15	15.3	441	7.98	
18 × 2.5	18 × 140/0.15	17.0	651	7.98	
25 × 2.5	25 × 140/0.15	21.8	901	7.98	
4 × 4	4 × 224/0.15	12.6	251	4.95	25
7 × 4	7 × 224/0.15	16.7	400	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)