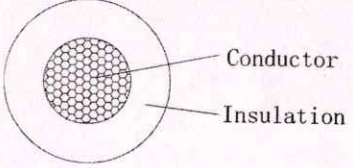


Cross Section		Description		Environmental Data
		Rated Temperature (°C):	-40~+125	RoHS and Reach
		Rated Voltage (V):	DC 1500	
		Reference Standar		Revision History
		GB/T25085/ISO6722		

Construction																	
P/NO.	Cus. P/No	mm ² (****)	Conductor			Insulation				Core wrap	Shield Coverage	Core wrap	Jacket				Conductor Resistance AT 20°C
			Material	Cond.Size (mm)	Stranded OD. (mm) max.	Material	Nominal OD. (mm)	Nominal Thickness (mm)	Min Thickness (mm)				Color	Material	Nominal OD. (mm)	Nominal Thickness (mm)	
EVYJ04-K001	7P0002U	2.5mm ²	Bare Copper	217/ (0.12±0.008)	2.10	XLPE	3.30±0.20	0.60	0.44	Orange or Other	N/A	N/A	N/A	N/A	N/A	N/A	≤7.60Ω/km
EVYJ04-K002	7P0004U	4.0mm ²		350/ (0.12±0.008)	2.90		4.10±0.20	0.60	0.44					N/A	N/A		≤4.71Ω/km
EVYJ04-K003	7P0006U	6.0mm ²		525/ (0.12±0.008)	3.60		4.80±0.20	0.60	0.44					N/A	N/A		≤3.14Ω/km
EVYJ04-K004	7P0010U	10.0mm ²		874/ (0.12±0.008)	4.65		6.25±0.20	0.80	0.62					N/A	N/A		≤1.82Ω/km
EVYJ04-K005	7P0016U	16.0mm ²		1406/ (0.12±0.008)	6.10		8.10±0.20	1.00	0.80					N/A	N/A		≤1.16Ω/km
EVYJ04-K006	7P0025U	25.0mm ²		2183/ (0.12±0.008)	6.70		10.20±0.20	1.30	1.17					N/A	N/A		≤0.743Ω/km
EVYJ04-K007	7P0035U	35.0mm ²		3071/ (0.12±0.008)	8.10		11.50±0.30	1.30	1.17					N/A	N/A		≤0.527Ω/km
EVYJ04-K008	7P0050U	50.0mm ²		4403/ (0.12±0.008)	9.50		13.60±0.30	1.50	1.35					N/A	N/A		≤0.368Ω/km
EVYJ04-K009	7P0070U	70.0mm ²		3876/ (0.15±0.008)	11.80		15.50±0.30	1.50	1.35					N/A	N/A		≤0.259Ω/km
EVYJ04-K010	7P0095U	95.0mm ²		5365 (0.15±0.008)	14.60		18.20±0.50	1.80	1.52					N/A	N/A		≤0.196Ω/km
EVYJ04-K011	7P0120U	120.0mm ²		6732/ (0.15±0.008)	15.80		19.70±0.50	1.90	1.71					N/A	N/A		≤0.153Ω/km
EVYJ04-K012	7P0135U	135.0mm ²		7548/ (0.15±0.008)	16.80		21.30±0.50	2.00	1.80					N/A	N/A		≤0.1373Ω/km
EVYJ04-K013	7P0150U	150.0mm ²		8436/ (0.15±0.008)	18.30		22.50±0.50	2.10	1.79					N/A	N/A		≤0.129Ω/km
Marking			Amphenol Industrial POWERLINK HV Cable ***** 2 *****														

Amphenol GEC
2018-04-02
REGISTERED COPY

Marking		Amphenol Industrial POWERLINK HV Cable ****mm ² 1500V	
Physical Properties	Heating aging	150±3°C×240h	No Cracking
	Pressure test at high temperature	125±3°C×4h	No breakdown during the withstand voltage test
	Temperature and humidity cycling	-40±2°C~125±3°C x4h/80%~100%RH	No conductor visible, No breakdown during the withstand voltage test
	Cold bend test	-40±2.0°C×4h	No cracking
	Bending Radius	/	0.5-50mm ² AS, ≥5×Cable OD; 70-120mm ² AS, ≥6×Cable OD
	Ozone resistance	GB/T 2951.21	No cracking
	Flame test	ISO6722.12	PASS
Electrical Properties	Dielectric-withstand test		6000VAC/5Min
	Spark test		8KVAC
Packing		Wood Spool (Other packaging style for further consulting.)	



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Development Area, ChangShu

Tel: 86-512-51538298

Fax: 86-512-51538297

E-mail: admin@jhoscable.com

Http://www.jhoscable.com

Approved By

Checked By

Design By

ATPI P/N: 7P0002U, 7P0004U, 7P0006U, 7P0010U,
7P0016U, 7P0025U, 7P0035U, 7P0050U,
7P0070U, 7P0095U, 7P00120U,
7P00135U, 7P00150U

Rev B

DRAWN:JS DATE:18/03/29

Amphenol TPI

2018-11-27

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EV 電池線

ATPI P/N: 7P0002U、7P0004U、7P0006U、7P0010U、
7P0016U、7P0025U、7P0035U、7P0050U、
7P0070U、7P0095U、7P0120U、
7P0135U、7P0150U

Rev B

DRAWN:JS DATE:18/03/29

July.su

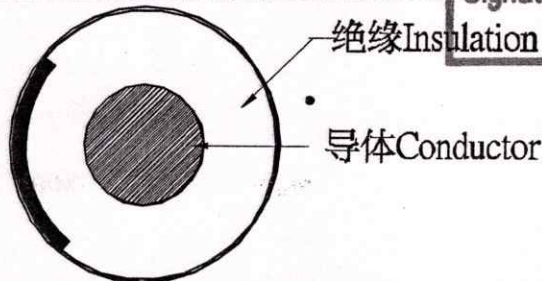
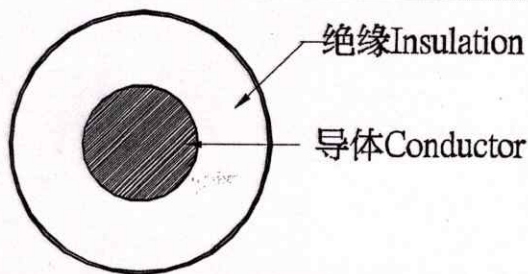
Amphenol TPI
Part Approved

2018-11-27

Signature:

July.su

截面图



印字

Amphenol Industrial POWERLINK HV Cable XXMM² 1500V

描述

额定电压 (V)
额定温度 (°C)

1500
-40~125

参考标准
ISO6722

结构

序号	截面积(mm ²)	绞合线径 (mm) Nom	导体		绝缘			客户料号
			单根线径(±0.008)	20°C 时最大导体电阻 (Ω/km)	材质	绝缘厚度/最薄点 (mm)	绝缘外径/±公差 (mm)	
1	2.5	2.1	217/0.12	7.6	XLPE	0.60/0.44	3.3±0.20	7P0002U
2	4.0	2.9	350/0.12	4.71		0.55/0.40	4.1±0.20	7P0004U
3	6.0	3.6	525/0.12	3.14		0.60/0.44	4.80±0.20	7P0006U
4	10.0	4.65	874/0.12	1.82		0.80/0.62	6.25±0.20	7P0010U
5	16.0	6.70	1406/0.12	1.16		1.00/0.80	8.1±0.20	7P0016U
6	25.0	8.10	2183/0.12	0.743		1.30/1.04	10.2±0.20	7P0025U
7	35.0	8.1	3071/0.12	0.527		1.30/1.04	11.50±0.30	7P0035U
8	50.0	9.5	4403/0.12	0.368		1.50/1.20	13.60±0.30	7P0050U
9	70.0	11.8	3876/0.15	0.259		1.50/1.35	15.5±0.30	7P0070U
10	95.00	13.60	5365/0.15	0.196		1.80/1.52	18.2±0.50	7P0095U
11	120.00	15.80	6732/0.15	0.153		1.90/1.71	19.7±0.50	7P0120U
12	135.00	16.80	7548/0.15	0.137		2.00/1.80	21.3±0.50	7P0135U
13	150.00	18.30	8436/0.15	0.129		2.10/1.79	22.5±0.50	7P0150U

特性

1.额定电压	1500V
2.温度等级	-40°C~125°C
4.绝缘电阻	绝缘电阻率≥1×10 ⁹ Ω·mm (ISO6722中6.3)
5.耐压强度	AC-6000V/15 MIN
6.材质特性	低烟, 无卤, 阻燃
7.抗燃性	绝缘材料上所有燃烧火焰应在70s内熄灭, 在试样末端最少50mm绝缘应保留未燃
8.耐油测试	汽油、柴油、机油20小时最大电线外径变化率≤15%
9.耐电池酸测试	第一周期8h, 第二周期16h, 卷绕不露铜耐压不破皮
10.低温弯曲	-40°C*4h, 卷绕不露铜, 耐压不破皮
11.弯曲半径	完成外径D≤20mm, 不小于6D
12.原始性能	抗张强度≥9MPa; 断裂伸长率≥125%
13.长期老化	125°C*3000H, 耐压不破皮
14.短期老化	150°C*240H, 耐压不破皮
15.热过载试验	烘箱175°C*6H, 耐压不破皮
16.耐臭氧试验	臭氧条件下192H, 绝缘无开裂(GB/T2951.21)
17.热收缩	150°C*15min, 绝缘最大收缩≤2
18.印字测试	清晰不易擦掉, 浸水脱脂棉布轻擦10次仍清晰

绝缘:
橙色 (如需指定颜色请联系)



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• LTK Electric Wire (Changzhou) Ltd • LTK Cable (Chongqing) Ltd
• Dalian LTK Electric Wire Ltd

Part No.:

编制:	刘洋	2017.07.04	Page 1 of 1
Rev	5	审核	欧阳强
变更		2017.07.04	Rev.: 5

*使用说明:

不要在强酸强碱等腐蚀性环境中直接使用, 不要浸入水中或在高潮湿环境中使用, 不要在室外裸露在太阳光下使用
建议线材布線最小弯曲半径為5倍OD及以上, 且不能在强应力条件下使用, 线材需要儲存在室內, 乾燥通風的環境中
如線材有特殊要求時, 請先與我司營業人員進行商談。用戶向我司購買產品後, 應進行相關實驗, 以驗證是否適合所擬定的用途。