

## 产品名 Production Name

POWERLINK™ 高压屏蔽电缆/POWERLINK™ HV Shielding Cable

材料  
Material

- 导体-裸铜 / Conductor – Bare Copper
- 绝缘-橘色XLPE / Insulation – XLPE Orange
- 屏蔽-铝箔麦拉 / Shielding – AL-MYLAR
- 外被-橘色XLPE / Jacket – XLPE Orange

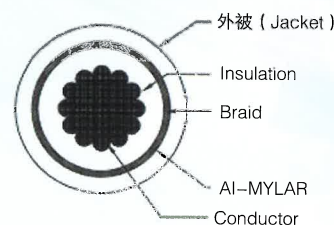
RoHS和REACH法规符合/RoHS and REACH Compliant

标准Standard: ISO 6722 Class C 125

产品特点  
Product Features

- 高压高电流可靠 / Reliable to high-voltage & current conditions
- 柔软易安装 / Flexible and easy to handle for harnessing
- 外径2.5 mm<sup>2</sup> 至150 mm<sup>2</sup> / Range from 2.5 mm<sup>2</sup> to 150 mm<sup>2</sup>
- 电磁屏蔽 / Excellent EMI, EMC noise reduction

Amphenol Industrial POWERLINK HV Shielding Cable 1500V

POWERLINK™ 高压屏蔽电缆  
POWERLINK™ HV Shielding Cable应用领域  
Applications

- 电动汽车, 混合动力汽车, 燃料电池汽车  
EV, HEV, FCEV

## 结构尺寸/Construction &amp; Dimensions

料号 P/N	导体截面积 Size	导体结构 Conductor Structure (mm)	平均绝缘厚度 Insulation Av. Thickness (mm)	最小绝缘厚度 Insulation Min. Thickness (mm)	芯线外径 Dia Primary Insulation (mm)	护套厚度 Sheath Thickness (mm)	线缆外径 Nom Dia Outside (mm)	弯曲半径 Bending Radius
AC-CP710020	2.5mm <sup>2</sup>	124/0.16	0.6	0.44	3.30± 0.2	0.6	5.2± 0.2	≥ 4 X OD
AC-CP710040	4mm <sup>2</sup>	199/0.16	0.6	0.44	4.10± 0.2	0.6	5.8± 0.2	≥ 4 X OD
AC-CP710060	6mm <sup>2</sup>	298/0.16	0.6	0.44	4.80± 0.2	0.6	6.7± 0.3	≥ 4 X OD
AC-CP710100	10mm <sup>2</sup>	497/0.16	0.8	0.62	6.25± 0.2	0.8	8.6± 0.3	≥ 4 X OD
AC-CP710160	16mm <sup>2</sup>	796/0.16	1.0	0.80	8.10± 0.2	1.3	11.2± 0.3	≥ 4 X OD
AC-CP710250	25mm <sup>2</sup>	1244/0.16	1.3	1.04	10.20± 0.2	1.3	13.5± 0.3	≥ 5 X OD
AC-CP710350	35mm <sup>2</sup>	1743/0.16	1.3	1.04	11.50± 0.3	1.3	14.5± 0.5	≥ 5 X OD
AC-CP710500	50mm <sup>2</sup>	2492/0.16	1.5	1.20	13.60± 0.3	1.4	17.0± 0.5	≥ 5 X OD
AC-CP710700	70mm <sup>2</sup>	3486/0.16	1.5	1.20	15.50± 0.3	1.5	19.5± 0.5	≥ 5 X OD
AC-CP710950	95mm <sup>2</sup>	4732/0.16	1.8	1.52	18.20± 0.5	1.5	22.6± 0.5	≥ 5 X OD
AC-CP711200	120mm <sup>2</sup>	5985/0.16	1.9	1.61	20.20± 0.5	1.5	24.6± 0.5	≥ 6 X OD
AC-CP711500	150mm <sup>2</sup>	7467/0.16	2.1	1.79	22.50± 0.5	1.6	27.1± 0.5	≥ 6 X OD

## 特征 / Characteristics

Item	Characteristics
Rating Voltage	1500V DC
Conductor Resistance(Max.)Ω /km@20°C	7.600Ω /km (2.5 mm <sup>2</sup> )
	4.710Ω /km (4 mm <sup>2</sup> )
	2.890Ω /km (6 mm <sup>2</sup> )
	1.820Ω /km (10 mm <sup>2</sup> )
	1.160Ω /km (16 mm <sup>2</sup> )
	0.743Ω /km (25 mm <sup>2</sup> )
Temperature Rating	-40°C to +125°C
Flame Test	VW-1
Withstand Voltage	6000V / 5min
Oil Resistant Acid and Alkali Resistant	