

**Characteristic:**

**特性:**

**1. Physical properties 物理性能**

a、excellent mechanical properties 优良的机械性能  
Tensile strength 抗张强度 ≥11MPa

**2. Electrical performance 电气性能**

a、oltage endurance test 耐电压实验: The two ends of the sample are stripped of insulation and placed in 5% salt solution. The water surface of the two ends does not exceed 150mm, and the immersion liquid lasts for 5 hours. Apply 1000Vrms and 50-60Hz voltage for one minute without breakdown of insulation.  
样件两端各剥一段绝缘, 放在 5% 的盐溶液中, 2 端漏出水面不超 150mm, 浸液 5 小时。施加 1000Vrms、50-60Hz 电压一分钟, 绝缘不击穿。

**3. Processing performance 加工性能**

a、suitable for all conventional wire harness processing  
适用于所有常规的线束加工工艺  
b、If you have special needs, please let us know.如有特殊需求请告知

**4. Environmental protection 环保**

a、in line with ROHS/REACH 符合 ROHS/REACH

**application:应用:**

Ground vehicles with low voltage electric system primary cable 地面车辆电气系统用低压初级电线

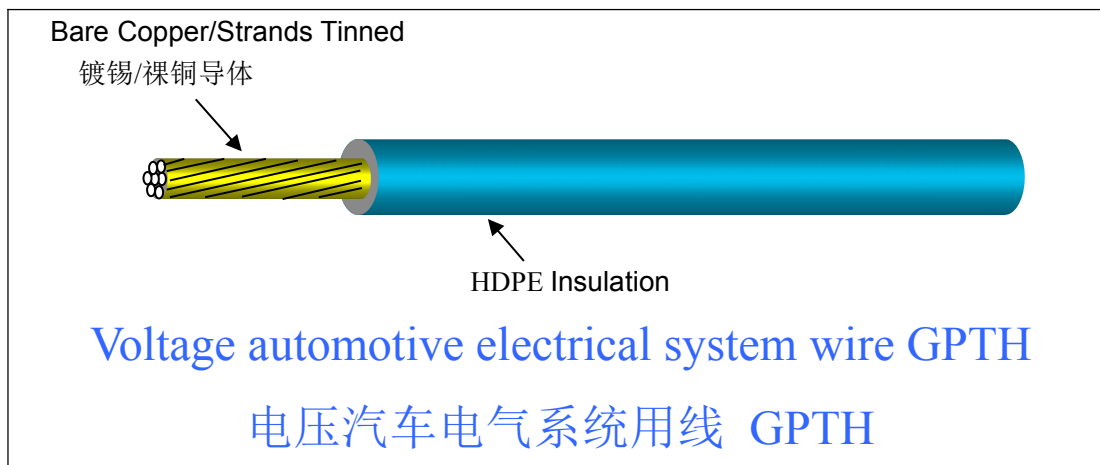
**Guideline:**

**参考标准:**

SAE J1128-2005

**Overview 概述:**

Install electric wires inside to prevent sharp bends under impact and high temperature  
内部安装电线, 防止撞击、高温下锐角弯折



**Wire structure description 结构描述:**  
Conductor 导体结构: Bare Copper/Strands Tinned 镀锡/裸导体  
Insulation materials 绝缘材质: HDPE 绝缘 Insulation

Ground vehicles with low voltage electric system primary cab 汽车电气系统低压初级电线  
Rated temperature 额定温度: 80°C Rated voltage 额定电压: 50Vac

STYLE 型号	SIZE 规格 AWG	Conductor construction 导体结构 (No./ mm)±0.005	Conductor diameter 导体直径 (mm)	insulation thickness 绝缘厚度(mm)		outer diameter Max 完成外径 最大值 (mm)
				Nom 平均	Min 最小	
GPTH	14	19/0.361	1.90	0.32	0.28	2.66
	16	7/0.49	1.50	0.32	0.28	2.25
	18	7/0.39	1.20	0.32	0.28	2.02
	20	19/0.19	0.96	0.32	0.28	1.83
	22	7/0.254	0.79	0.32	0.28	1.63
	24	7/0.20	0.61	0.32	0.28	1.50

**Marking 标志:** 无标志 NO MARKING

**SAE COLOR SERIES 色板**

*STOCK COLOR CHART 颜色表				
00-BLACK 黑色	01-WHITE 白色	02-RED 红色	03-YELLOW 黄色	04-GREEN 绿色
05-BLUE 蓝色	06-BROWN 棕色	07-GREY 灰色	08-ORANGE 橙色	09-VIOLET 紫色

**PACKAGE 包装**

*PACKAGE 包装				
型号	Packing 包装方式- Ft/roll			3F
14/16AWG	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
18/24AWG	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging 根据客户要求包装