

characteristic:

1. Physical properties

a, excellent mechanical properties:
 Tensile strength $\geq 10.0\text{MPa}$, elongation at break $\geq 150\%$
 After aging:
 Condition: $155\pm 2.0^\circ\text{C}/168\text{H}$
 Tensile strength residual rate $\geq 80\%$, elongation at break, $\geq 50\%$

b. Flame retardancy: 600mm sample, suspended at 45 degrees from the horizontal in an experimental cover that is not completely sealed. Burn with a flame outside the flame at 900°C , the fire time is 15 seconds, after the extinction, the sample can not continue to burn more than 70 seconds

c. low temperature bending: $-40^\circ\text{C} \pm 2^\circ\text{C}/4\text{H}$, the sample surface is crack-free

2. Electrical performance

a, rated temperature: 125°C rated voltage: 25V AC
 b. Withstand voltage test: 600mm sample, stripped 25mm in two sections, placed in 5% salt solution, the water leakage at the 2nd end does not exceed 150mm, 1000Vrms, 50-69Hz voltage is applied for one minute, the insulation does not penetrate.

3. Processing performance

a, suitable for all conventional wire harness processing
 b. If you have special needs, please let us know.

4. Environmental protection

a, in line with ROHS/REACH

application:

Low voltage primary cable for ground vehicle electrical systems.

Guideline:

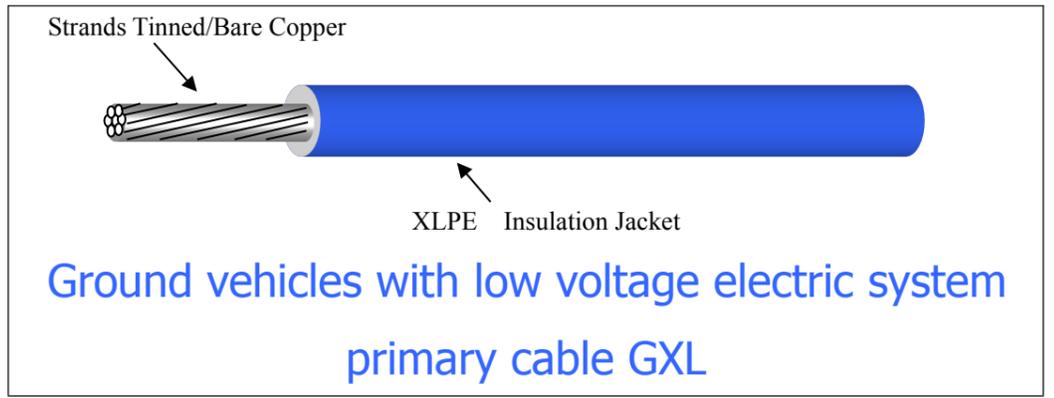
SAE J1128-2005

Overview:

Low-voltage primary cable for ground vehicle electrical systems to prevent impact and sharp corner bending at high temperatures.

3F product code:

E.g: GXL-1200-65G
XLPE Car cable GXL 12AWG black 65/0.254 Bare copper



Wire structure description:
 Conductor: Tinned /Bare copper ;
 Insulation materials: XLPE Insulation

Ground vehicles with low voltage electric system primary cable
 Rated temperature: 125°C rated voltage: 60Vdc or 25Vac

STYLE	AWG	Conductor size (No./ mm) $\pm 0.005\text{mm}$	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm) Max.
				Nom.	Min.	
GXL	8	168/0.254	3.80	0.94	0.66	5.68 ± 0.15
	10	105/0.254	3.00	0.79	0.55	4.58 ± 0.10
	12	65/0.254	2.37	0.66	0.46	3.69 ± 0.10
	12	19/0.45	2.26	0.66	0.46	3.58 ± 0.15
	14	41/0.254	1.90	0.58	0.41	3.06 ± 0.15
	16	26/0.254	1.50	0.58	0.41	2.66 ± 0.10
	16	19/0.30	1.51	0.58	0.41	2.67 ± 0.10
	18	16/0.254	1.20	0.58	0.41	2.36 ± 0.10
	20	7/0.30	0.92	0.58	0.41	2.08 ± 0.10

Logo:

- 1, printing: no.
- 2, label identification: manufacturer, model, specifications, rated temperature, resistance, rated pressure, insulation, color, packaging length, Production Date

SAE COLOR SERIES

* STOCK COLOR CHART				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09- VIOLET

PACKAGE

*PACKAGE				
Part No.	Packing- FT/roll			3F
8~10AWG	■ 500FT	□ 1000FT	□ 2000FT	
12~16AWG	□ 500FT	■ 1000FT	□ 2000FT	
18~20AWG	□ 500FT	□ 1000FT	■ 2000FT	

According to customer requirements for packaging packaging