



● Introduction

SAE J1128 GXL General Purpose Cross-Linked Polyolefin Insulated Cable is a type of conventional wall-insulated cable specifically engineered for widespread application in motorcycle and off-road vehicle automotive electric circuits.

● Application

GXL wire serves as a single-conductor primary wire essential for automotive applications, particularly in engine compartments, where high-temperature performance is imperative. Featuring cross-linked polyethylene (XLPE) insulation enveloping a bare copper conductor, this wire delivers outstanding flexibility and exceptional high-temperature performance.

● Performance

Temperature Range: - 40°C to +125°C (3000 Hours)
 Standard: SAE J1128
 Test Voltage: 1 kV
 GXL: General Purpose XLPO insulation.
 Conductor Resistance: Complies with IEC 60228/BS 6360 standards

● Construction

Conductor: Manufactured from soft-annealed electrolytic Copper (E-Cu ETP1) in accordance with ASTM B3, the bare conductor construction adheres to SAE J1128 specifications.
 Insulation: Electron Beam Cross-Linked Polyolefin ensures superior performance and durability.
 Color: Customizable based on customer requirements.
 Single core configuration
 Standards Complies with the specifications outlined in SAE J1128.

● Specification

-SAE J1128

● Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

● Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



● National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Size	Conductor			Insulation		Cable	
	Nom. Cross Section Area	No. / Dia. Of Wires	Max. Diameter	Min. Thickness Wall	Nom. Thickness Wall	Overall Dia. (Max.)	Approx. Weight
AWG	mm ²	No./mm	mm	mm	mm	mm	kg/km
20	1 x 0.50	19/0.20	0.97	0.41	0.58	2.40	9
18	1 x 0.80	19/0.23	1.17	0.41	0.58	2.50	12
18	1 x 0.80	16/0.25	1.17	0.41	0.58	2.50	12
16	1 x 1.00	19/0.24	1.45	0.41	0.58	2.90	17
14	1 x 2.00	19/0.36	1.80	0.41	0.58	3.20	25
12	1 x 3.00	19/0.45	2.29	0.46	0.66	3.80	38
10	1 x 5.00	19/0.57	2.87	0.56	0.79	4.70	58

Note: Other configurations, sizes, colors and length not specified herein are available upon request.