

Application

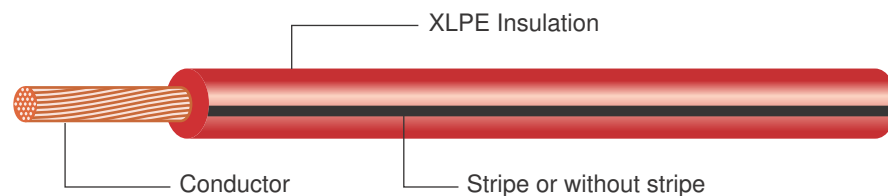
Mainly used in low-voltage circuits for automobiles (vehicles and motorcycles) and in engine compartments where higher heat resistance is required according to SAE J-1128

Product Description

- Standard** Conformity to SAE J-1128
TXL wire is an extra-thin wall, stranded, single-conductor automotive primary wire. It is used primarily in automotive applications where small diameter and minimal weight are desirable. It is rated to SAE J-1128, Ford (M1L-123A) and Chrysler (MS-8288) specifications.

GXL wire is a thin wall, stranded, single-conductor automotive primary wire. It is used primarily in engine compartments where high heat resistance is required in accordance with SAE. It is rated to SAE J-1128, Ford (M1L-85B) and Chrysler (MS-8900) specifications.
- Conductor** Stranded bare copper 22AWG - 8AWG
- Temp. Rate** -40 ~ +125 °C
- Insulation** Heat resistant XLPE which is cross-linked by electron beam machine and stable thermally
Color code with and without stripe

Construction



IATF 16949 : 2016

Style	Conductor		Insulation		Standard Put-up (M/Coil)
	Size (AWG)	Construction (No/mm)	Nominal Thickness (mm)	Nominal Diameter (mm)	
TXL	8	50/0.450	0.56	4.80	100
	10	19/0.57	0.50	4.00	100
	12	19/0.450	0.46	3.20	300
	14	19/0.360	0.40	2.60	300
	16	19/0.290	0.40	2.30	500
	18	19/0.240	0.40	2.00	500
	20	7/0.320	0.40	1.80	500
GXL	22	7/0.260	0.40	1.60	500
	8	50/0.450	0.94	5.60	100
	10	19/0.57	0.79	4.50	100
	12	19/0.450	0.66	3.60	300
	14	19/0.360	0.58	3.00	300
	16	19/0.290	0.58	2.70	500
	18	19/0.240	0.58	2.30	500
	20	7/0.320	0.58	2.20	500
	22	7/0.260	0.58	2.00	500

TXL Wire vs GXL Wire

As you can see, there is a lot of overlap between TXL and GXL wire. Both of these Automotive Primary Wires have a bare copper conductor, XLPE insulation, the same temperature rating and are rated to SAE, Ford and Chrysler standards. The major differences between TXL wire and GXL wire are the application, wall thickness and weight. TXL, as stated earlier, is used for applications where small diameter and minimal weight are desired. The extra thin wall makes the wire more lightweight than GXL. GXL, however, is used primarily in engine compartments where high heat resistance is required. GXL is slightly heavier in weight compared to TXL due to a slightly thicker wall