

ALT/SAE

Copper Conductor



Description

The ALT/SAE is an electrical copper conductor twisted Class C cable; insulated with thermoplastic polyvinyl chloride (PVC) with a thermoplastic nylon outer jacket.

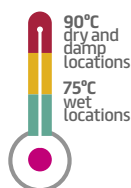
Standard Specifications

The ALT/SAE conductors are built based on the following:

- Standards: ASTM B3, B174 and SAE J 1128.

Features

- Designed to operate at 90°C maximum temperature in dry, damp and 75°C in wet locations



- The cable is rated to operate at operates at 60 V D.C. (25 V A.C.) maximum voltage.
- The ALT/SAE conductor is manufactured from 20 AWG (0,519 mm²) to 10 AWG (5.26mm²) gauges.
- The conductor complies with RoHS (*Restriction of Hazardous Substances*) regulation.
- The lead-free PVC insulation is ecologically friendly.

Applications

- Due to the high-performance PVC insulation is ideal to operate in low voltage automotive systems, lights, control and signaling in automotive applications.

Technical Information

Dimensions and nominal features

The conductor operating amperage is defined by the installation conditions and operating temperatures identified in the NEC. See TABLE 400.5(A)(1) NFPA 70 latest version

Gauge	Area		Insulation Thickness		External Diameter		Weight	DC Max. @ 20°C Resistance
	AWG	cmil	mm ²	in	mm	in		
20	1020	0,519	0,015	0,381	0,069	1,749	6,730	35,5
18	1620	0,824	0,015	0,381	0,077	1,945	9,763	22,4
16	2580	1,31	0,015	0,381	0,089	2,261	14,495	14,1
14	4110	2,08	0,015	0,381	0,104	2,638	21,782	8,88
12	6530	3,31	0,018	0,457	0,128	3,261	34,336	5,58
10	10380	5,26	0,018	0,457	0,151	3,847	52,826	3,51

Note: The values given may vary according to the manufacturing tolerances



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