

Automobile Wire (TWP)

SAE Specification

Application

Electrical wires for automobile and motorcycle.

Construction

Conductor : Bare copper strands wire

Insulation : 80°C Lead free PVC

Approval and Technical specification

Reference : SAE J1128 Type TWP

Description

Excellent for oil resistance and flame retardant.

Use lead free PVC compound complies with EU RoHS requirements.

Core No.	Size	Conductor Construction	Conductor Overall Diameter	Approximate Overall Diameter	Maximum Conductor Resistance
C	AWG	No./mm	mm	mm	$\Omega/\text{km}(20^\circ\text{C})$
1	24	19/0.127	0.64	1.44	87.6
	22	19/0.16	0.8	1.6	55.4
	20	19/0.203	1.0	1.8	34.6
	18	19/0.254	1.27	2.07	21.8
	16	19/0.287	1.44	2.24	13.7
	14	19/0.361	1.8	2.6	8.62
	12	19/0.455	2.3	3.2	5.43
	10	19/0.574	2.9	3.9	3.41