

Automotive Grade Coaxial Cable Performance Specification

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AUTOMOTIVE GRADE COAXIAL CABLE PERFORMANCE SPECIFICATION

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1 SCOPE:

This document specifies dimensional, functional and visual requirements for Automotive grade coaxial cable. This material will be designated AG for general-purpose automotive applications or AG LL for low loss applications. It is the responsibility of the user of this cable to verify the suitability of the selected product (based on dimensional, mechanical, electrical and environmental requirements) for its intended application. It is the responsibility of the supplier to retain and maintain records as evidence of compliance to the requirements detailed in this standard.

2 REFERENCES:

- SAE/USCAR-2
- SAE/USCAR-17
- SAE/USCAR-18
- SAE/USCAR-19
- MIL -C- 17G
- SAE J 1128
- ISO 6722
- IMDS STD101
- Global Automotive Declarable Substance list. See: www.gadsl.org
- **DaimlerChrysler:** CS-9003
- **Ford:** WSS-M99P9999-A1
- **General Motors:** GMW 3059

3 GLOSSARY OF TERMS:

- IMDS: International Material Data system
- ILRS: International List of Reportable Substances
- Automotive Grade 174 (AG174) similar to RG 174
- Automotive Grade 174 Low Loss (AG 174 LL)

4 GENERAL REQUIREMENTS:

4.1 Cable Description:

4.1.1 Temperature Class:

All AG and AG LL Coaxial cable covered by this specification shall be tested to and meet or exceed the requirements of the temperature class 1 as specified in SAE/USCAR-2. Coaxial cable capable of meeting higher temperature class requirements shall be identified by printing the temperature class on the jacket. (e.g., USCAR class 2) All cable covered in this specification shall be compatible with RF connectors as specified in SAE/USCAR-17, SAE/USCAR-18 and SAE/USCAR-19.