

REV.
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SAE AS5756/2

FEDERAL SUPPLY CLASS
6145

RATIONALE

UPDATE REFERENCES

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS5756.

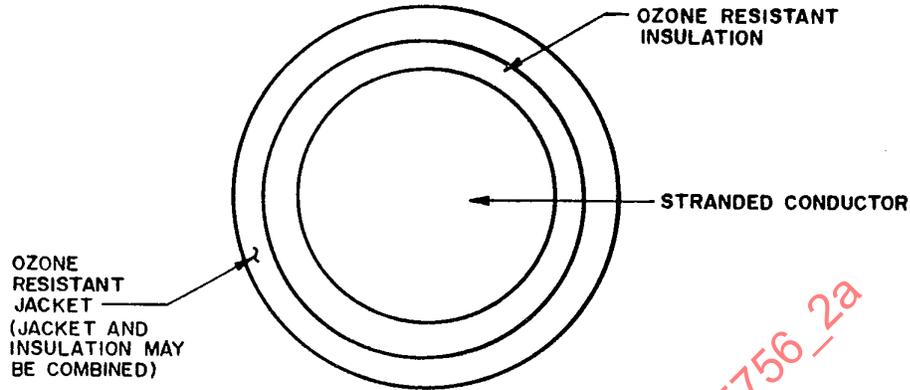


FIGURE 1 - CONDUCTOR EXAMPLE

REQUIREMENTS (SEE AS5756 AND TABLE 1):

CONSTRUCTION

- FIRST - COPPER CONDUCTOR, SEE TABLE I OF AS5756 FOR REQUIREMENTS, SIZES 10 AWG AND SMALLER SHALL BE TIN-COATED, SIZES 8 AWG AND LARGER SHALL BE UNCOATED.
- SECOND - SEPARATOR, REQUIRED WHERE UNCOATED CONDUCTORS ARE USED, OPTIONAL WHERE TIN-COATED CONDUCTORS ARE USED.
- THIRD - INSULATION OF OZONE RESISTANT SYNTHETIC RUBBER (SEE TABLE 1 FOR THICKNESS), COLORED BLACK OR GRAY.
- FOURTH - JACKET OF OZONE RESISTANT SYNTHETIC RUBBER (SEE TABLE 1 FOR THICKNESS), COLORED BLACK. CABLE SURFACE MARKING REQUIRED.

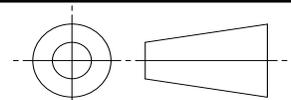
OZONE RESISTANCE - REQUIRED

APPLICATIONS

- THE INSULATING AND JACKETING MATERIALS SHALL BE RESISTANT TO DEGRADATION DUE TO SUNLIGHT, OZONE, AND OTHER FORMS OF WEATHERING EXPOSURE. THIS CABLE IS DESIGNED TO BE SUITABLE FOR USE WHERE IT MAY BE EXPOSED TO THESE CONDITIONS.
- CABLES COVERED UNDER THIS DETAIL SPECIFICATION ARE DESIGNED FOR USE IN CABLE ASSEMBLIES CONFORMING TO AS7974. THESE CABLES ARE SUITABLE ALTERNATIVES FOR THE SINGLE CONDUCTOR CABLES SPECIFIED IN AS5756 (SEE AS5756/1).
- EXAMPLES OF TYPICAL INSULATING AND JACKETING MATERIALS INCLUDE ETHYLENE PROPYLENE RUBBER (EPR) AND POLYCHLOROPRENE, RESPECTIVELY.

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS5756/2A>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8D

PROCUREMENT SPECIFICATION: AS5756

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CABLE, POWER, ELECTRICAL, 600 VOLTS,
PORTABLE, SINGLE CONDUCTOR,
OZONE RESISTANT

SAE AS5756/2
SHEET 1 OF 2

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