

**REV.
B**

AS5756™/1

RATIONALE

LIMITED SCOPE UPDATE TO ESTABLISH CABLE TEMPERATURE RATING.

NOTICE

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

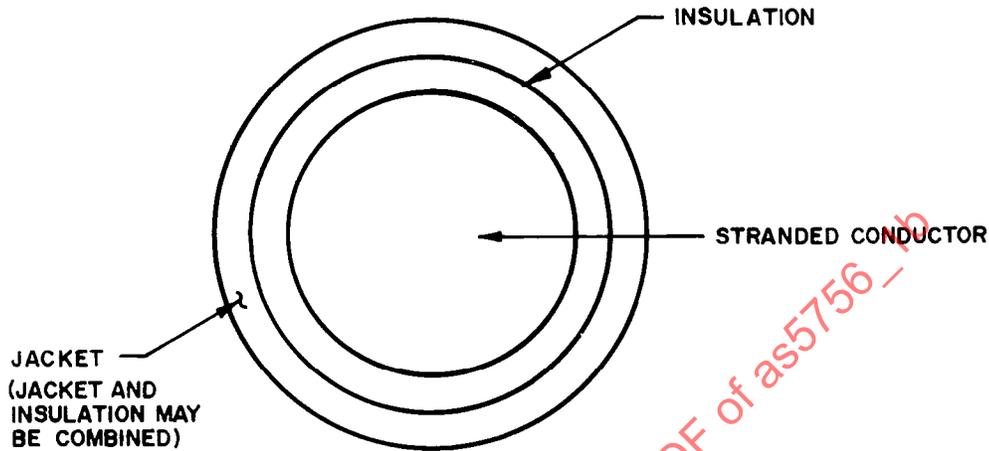
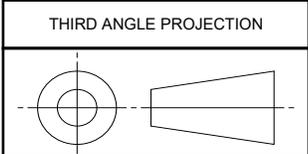


FIGURE 1 - CONDUCTOR EXAMPLE

REQUIREMENTS (REFER TO AS5756 AND TABLE 1):

1. CONSTRUCTION:
 - a. FIRST: COPPER CONDUCTOR (REFER TO TABLE 1 OF AS5756 FOR REQUIREMENTS). SIZES 10 AWG AND SMALLER SHALL BE TIN-COATED, SIZES 8 AWG AND LARGER SHALL BE UNCOATED.
 - b. SECOND: SEPARATOR, REQUIRED WHERE UNCOATED CONDUCTORS ARE USED, OPTIONAL WHERE TIN-COATED CONDUCTORS ARE USED.
 - c. THIRD: INSULATION OF SYNTHETIC OR NATURAL RUBBER (SEE TABLE 1 FOR THICKNESS), COLORED BLACK.
 - d. FOURTH: JACKET OF SYNTHETIC OR NATURAL RUBBER (SEE TABLE 1 FOR THICKNESS), COLORED BLACK. CABLE SURFACE MARKING REQUIRED.
 - e. INSULATION AND JACKET MAY BE COMBINED AT MANUFACTURER'S OPTION.
2. OZONE RESISTANCE: NOT REQUIRED.
3. CABLE TEMPERATURE RATING: -54 TO +90 °C (-65 TO +194 °F).

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5756/1B/>



ISSUED 2004-06 REVISED 2023-05

CUSTODIAN: AE-8D

PROCUREMENT SPECIFICATION: AS5756



AEROSPACE STANDARD

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

AS5756™/1
SHEET 1 OF 2

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