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REV. C
AS5756™/1

FEDERAL SUPPLY CLASS
6145

RATIONALE

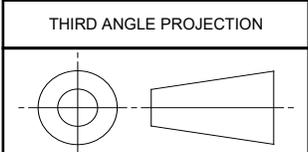
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<https://www.sae.org/standards/content/AS5756/1C/>



CUSTODIAN: AE-8D		PROCUREMENT SPECIFICATION: AS5756	
	AEROSPACE STANDARD		AS5756™/1
	CABLE, POWER, ELECTRICAL, 600 VOLTS, PORTABLE, SINGLE CONDUCTOR, NON-OZONE RESISTANT		

ISSUED 2004-06 REVISED 2023-05 STABILIZED 2023-06

NOTICE

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

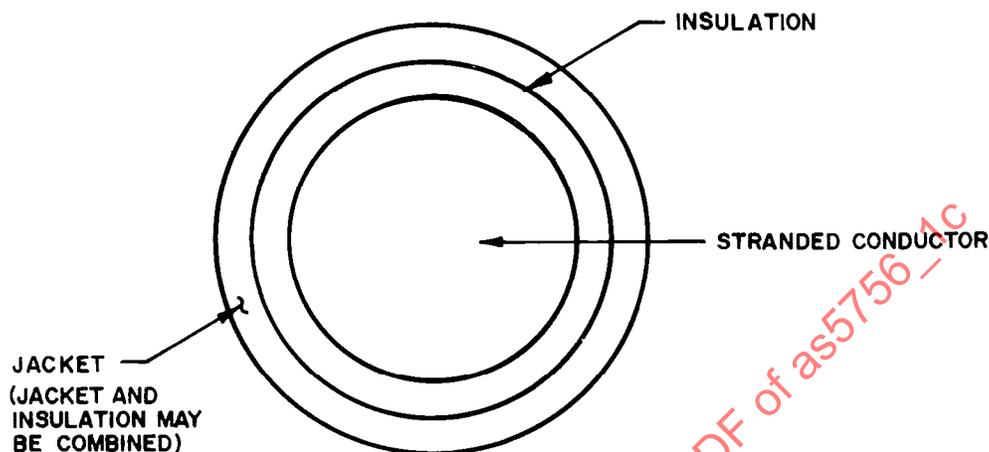


FIGURE 1 - CONDUCTOR EXAMPLE

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).

	AEROSPACE STANDARD	AS5756™/1 SHEET 1 OF 2	REV. C
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