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**REV.
B**

AS5756™/3

FEDERAL SUPPLY CLASS
6145

RATIONALE

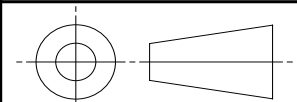
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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8D

PROCUREMENT SPECIFICATION: AS5756



AEROSPACE STANDARD

CABLE, POWER, ELECTRICAL,
600 VOLTS,
PORTABLE, MULTICONDUCTOR

AS5756™/3

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ISSUED 2004-06 REVISED 2010 REAFFIRMED 2016-05 STABILIZED 2021-06

NOTICE

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

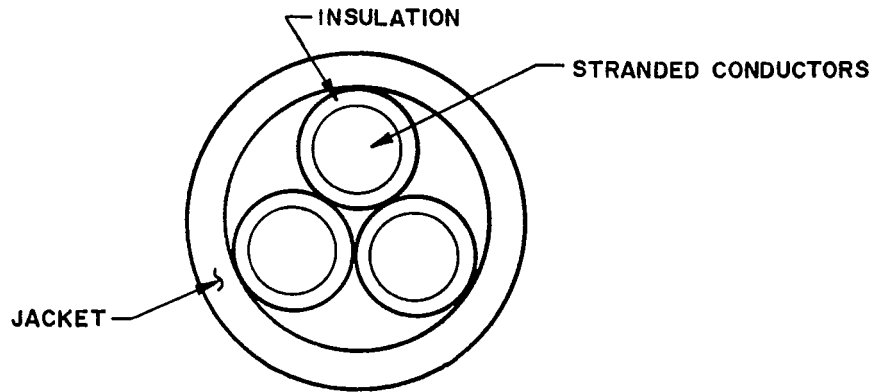


FIGURE 1 – EXAMPLE OF 3 CONDUCTOR CABLE

REQUIREMENTS:

QUALIFICATION REQUIRED.

CONSTRUCTION (SEE TABLE 1)

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 SYNTHETIC OR NATURAL RUBBER (SEE TABLE I FOR THICKNESS), COLOR CODED PER PARAGRAPH 3.4.6 OF AS5756.

FOURTH - THE REQUIRED NUMBER OF CONDUCTORS CABLED TOGETHER WITH A LEFT-HAND LAY NOT GREATER THAN 16 TIMES THE DIAMETER UNDER THE JACKET. WHEN NEEDED, FILLERS SHALL BE EMPLOYED TO OBTAIN A FIRM, WELL-ROUNDED ASSEMBLY.

FIFTH - BINDER TAPE APPLIED HELICALLY WITH OVERLAP.

SIXTH - NATURAL OR SYNTHETIC RUBBER JACKET (SEE TABLE I FOR THICKNESS). CABLE SURFACE MARKING REQUIRED.

OZONE RESISTANCE - REQUIRED.

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	CABLE, POWER, ELECTRICAL, 600 VOLTS, PORTABLE, MULTICONDUCTOR		



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