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B**

AS5382™/5

FEDERAL SUPPLY CLASS
6010

RATIONALE

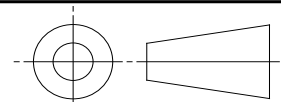
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THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8D

PROCUREMENT SPECIFICATION: NONE



AEROSPACE STANDARD

CABLE, FIBER OPTIC, MULTI-MODE,
50/125/450 μm, GRADED INDEX,
HERMETIC COATED, TIGHT BUFFER

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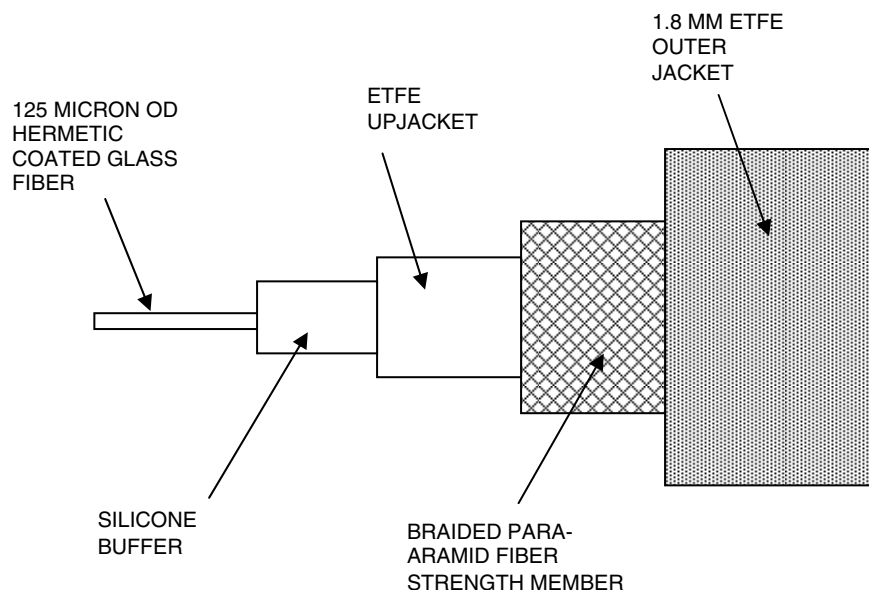


FIGURE 1 - CABLE CONFIGURATION

1. Construction Description

1.1 Optical Fiber Dimensions and Materials

Core Diameter:	50 $\mu\text{m} \pm 3.0 \mu\text{m}$ (0.00195 in $\pm$ 0.00012 in)
Core Material:	Graded Index Silica Glass
Cladding Diameter:	125 $\mu\text{m} \pm 2 \mu\text{m}$ (0.0049 in $\pm$ 0.00008 in)
Cladding Material:	Silica Glass
Core to Cladding Ellipticity:	3% maximum
Core to Cladding Offset:	3 μm maximum
Hermetic Coated:	Yes
Coating Diameter:	450 $\mu\text{m} \pm 25 \mu\text{m}$ (0.0177 in $\pm$ 0.001 in)
Coating Material:	Silicone
Coating Concentricity:	65% minimum

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