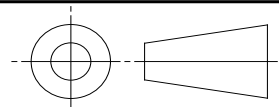


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REV. B	FEDERAL SUPPLY CLASS 4030	
	RATIONALE THIS DOCUMENT HAS NOT BEEN REVISED FOR MANY YEARS AND THE PARENT STANDARD IS DUE TO BE STABILIZED. THEREFORE THIS DETAIL SPECIFICATION SHOULD ALSO BE STABILIZED. STABILIZED NOTICE THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY THE SAE AS-3 FIBER OPTICS AND APPLIED PHOTONICS COMMITTEE AND WILL NO LONGER BE SUBJECTED TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES AND CONTINUED SUITABILITY OF TECHNICAL REQUIREMENTS. NEWER TECHNOLOGY MAY EXIST.	
MA5405™/1		
SAE values your input. To provide feedback on this Technical Report, please visit http://standards.sae.org/MA5405/1B		THIRD ANGLE PROJECTION 
CUSTODIAN: AE-8/AE-8C2		PROCUREMENT SPECIFICATION: MA5405
	METRIC AEROSPACE STANDARD SPLICE, FIBER OPTIC, AEROSPACE INTER-CONNECT, GRADED INDEX 100/140/172 CABLE SIZE	MA5405™/1 REV. B

ISSUED 2000-06 REVISED 2009-10 STABILIZED 2018-03

NOTICE

THE REQUIREMENTS FOR PROCURING THE FIBER OPTIC SPLICES DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION AND THE LATEST ISSUE OF: SAE MA5405.

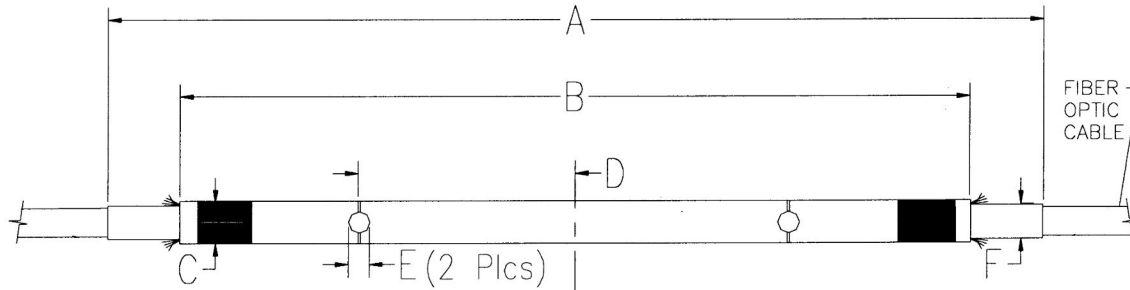


FIGURE 1 - FIBER OPTIC SPLICE CONFIGURATION

TABLE 1 - MA5405/1 DIMENSIONS

PART NUMBER	UNITS	A	B	C	D	E	F
MA5405/1-001		82.6	69.9	3.76	19.05	1.91	2.97
	MILLIMETERS	± 0.8	± 0.4	± 0.05	± 0.025	± 0.13	± 0.025
	INCHES	± 0.032	± 0.015	± 0.002	± 0.001	± 0.005	± 0.001

REQUIREMENTS

1. DIMENSIONS: DIMENSIONS ARE IN ACCORDANCE WITH TABLE 1. INCH UNITS ARE PROVIDED FOR INFORMATION ONLY.
2. MATERIALS: MATERIALS ARE SPECIFIED IN ENGINEERING DRAWINGS. IF A CHANGE IN MATERIAL OCCURS AFTER INITIAL QUALIFICATION HAS BEEN DEMONSTRATED, THE MANUFACTURER IS REQUIRED TO REQUEST A CHANGE APPROVAL FROM THE QUALIFYING ACTIVITY.
3. MARKING: PART NUMBER SHALL BE ON THE PACKAGE. MANUFACTURER'S SYMBOL IN ACCORDANCE WITH AIR1353 SHALL BE ON THE SPLICE.
4. ASSEMBLY INSTRUCTIONS: ASSEMBLY INSTRUCTIONS IN ACCORDANCE WITH MA5405.
5. FIBER OPTIC CABLE: AS5382/1 OR EQUIVALENT
6. MAXIMUM OPERATING TEMPERATURE: 150 °C ± 3 °C.
7. INITIAL INSERTION LOSS: <0.5 DB.
8. TENSILE STRENGTH: CABLE PULLOUT STRENGTH 222 N (50 LB) MINIMUM.
9. HEAT AGING: +150, + 0 - 2 °C.

	METRIC AEROSPACE STANDARD	MA5405™/1 SHEET 1 OF 2	REV. B
	SPLICE, FIBER OPTIC, AEROSPACE INTER-CONNECT, GRADED INDEX 100/140/172 CABLE SIZE		



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