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REV. C			FEDERAL SUPPLY CLASS 5340 5342
AS3511™	<p>RATIONALE</p> <p>THIS DOCUMENT HAS BEEN DETERMINED TO CONTAIN BASIC AND STABLE TECHNOLOGY WHICH IS NOT DYNAMIC IN NATURE.</p> <p>STABILIZED NOTICE</p> <p>THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY SAE E-25 GENERAL STANDARDS FOR AEROSPACE AND PROPULSION SYSTEMS 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.</p>		
		<p>For more information on this standard, visit https://www.sae.org/standards/content/AS3511C/</p>	<p>THIRD ANGLE PROJECTION</p> 
CUSTODIAN: E-25		PROCUREMENT SPECIFICATION: AS4536	
	<p>AEROSPACE STANDARD</p> <p>CABLE, SAFETY, KIT, CORROSION RESISTANT STEEL, UNS S30400</p>		<p>AS3511™</p> <p>REV. C</p>

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ISSUED 1993-01 REVISED 2008-09 REAFFIRMED 2018-08 STABILIZED 2024-03

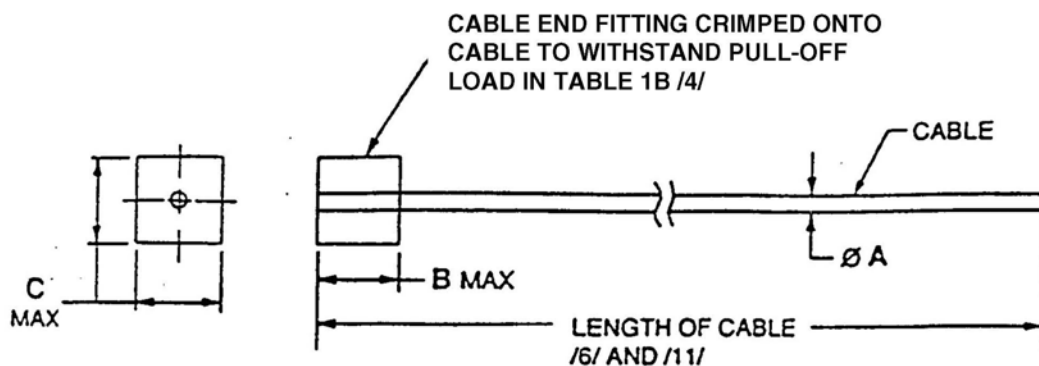


FIGURE 1 - SAFETY CABLE-END FITTING AND CABLE

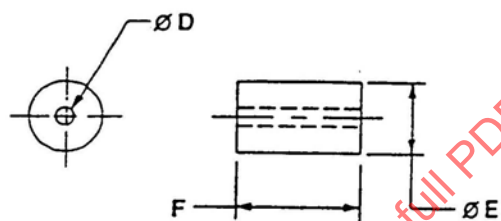


FIGURE 2 - FERRULE

TABLE 1A - DIMENSIONS A-D

PART NUMBER	Ø A /5/ INCH (mm)	B MAX INCH (mm)	C MAX INCH (mm)	Ø D INCH (mm)
AS3511-01XXX	.022-.026 (0.56-0.66)	.135 (3.43)	.085 (2.16)	.029-.032 (0.74-0.81)
AS3511-02XXX	.032-.038 (0.81-0.97)	.135 (3.43)	.125 (3.18)	.043-.049 (1.09-1.24)
AS3511-03XXX	.040-.046 (1.02-1.17)	.135 (3.43)	.125 (3.18)	.051-.057 (1.30-1.45)

TABLE 1B - DIMENSIONS E-F

PART NUMBER	Ø E INCH (mm)	F INCH (mm)	CABLE TYPE	MINIMUM PULL-OFF LOAD POUND (NEWTON) SEE NOTE /10/
AS3511-01XXX	.089-.091 (2.26-2.31)	.087-.095 (2.21-2.41)	STRAND 1X7	30 (133.4)
AS3511-02XXX	.104-.106 (2.64-2.69)	.156-.164 (3.96-4.17)	CABLE 3X7	70 (311.4)
AS3511-03XXX	.104-.106 (2.64-2.69)	.156-.164 (3.96-4.17)	CABLE 7X7	110 (489.3)

NOTES:

1. MATERIAL: CABLE, END FITTING, AND FERRULE - AMS5697, CORROSION AND HEAT RESISTANT STEEL (UNS S30400 CRES WIRE) CHEMICAL COMPOSITION ONLY.
2. PROCUREMENT SPECIFICATION: AS4536
3. INSTALLATION IN ACCORDANCE WITH AS4536 AND AS567
- /4/ CABLE END FITTING SHAPE OPTIONAL, HOWEVER, MUST BE WITHIN SPECIFIED ENVELOPE.
- /5/ CUT END OF CABLE OR STRAND SHALL BE FUSED TO PREVENT UNRAVELING AND CAN BE UP TO .006 in (0.1524 mm) ABOVE ACTUAL MEASURED DIAMETER. CUT END OF CABLE OR STRAND SHALL BE FUSED TO PREVENT UNRAVELING AND CAN BE UP TO .006 in (0.1524 mm) ABOVE ACTUAL MEASURED DIAMETER. HOWEVER THE MAXIMUM FUSED END DIAMETER SHALL NOT EXCEED .028, .042, .050 OR .076 FOR -01XXX, -02XXX, -03XXX, OR -04XXX RESPECTIVELY.
- /6/ LENGTH OF CABLE SHALL BE 3.0 in (76.2 mm) INCREMENTS; MINIMUM LENGTH AT 6.0 in (152.4 mm), MAXIMUM LENGTH AT 24.0 in (609.6 mm), $\pm .50$ (12.7 mm).
7. MARK PART NUMBER AND MANUFACTURER IDENTIFICATION PER AS478 CLASS N.
8. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994
9. DIMENSIONS ARE IN INCHES, PARENTHESIS ARE IN MILLIMETERS.
- /10/ PULL-OFF LOAD IN POUND-FORCE, PARENTHESIS IN NEWTONS.
- /11/ EXAMPLE OF A KIT PART NUMBER: FOR .032 in (0.8128 mm) NOMINAL DIAMETER SAFETY CABLE AND FERRULE, 9.0 in (228.6 mm) LONG CABLE AND FERRULE (SEE NOTE 12).

AS3511 - 02 09 K ← IDENTIFIES ITEM AS A KIT (SAFETY CABLE AND FERRULE)
 DOCUMENT NUMBER 9.0 in (228.6 mm) LENGTH OF CABLE (FIGURE 1)
 SAFETY CABLE ASSEMBLY ØA PER TABLE 1

EXAMPLE OF A SAFETY CABLE PART NUMBER: FOR .032 in (0.8128 mm) NOMINAL DIAMETER SAFETY CABLE 9.0 in (228.6 mm) LONG.

AS3511 - 02 09 C ← IDENTIFIES ITEM AS A SAFETY CABLE (NO FERRULE)
 DOCUMENT NUMBER 9.0 in (228.6 mm) LENGTH OF CABLE (FIGURE 1)
 SAFETY CABLE ASSEMBLY ØA PER TABLE 1

EXAMPLE OF A FERRULE PART NUMBER: FOR .032 in (0.8128 mm) NOMINAL DIAMETER SAFETY CABLE.

AS3511 - 02 E ← IDENTIFIES ITEM AS A FERRULE (NO SAFETY CABLE)
 DOCUMENT NUMBER SAFETY CABLE ASSEMBLY ØA PER TABLE 1

12. FERRULES SHALL BE PACKAGED IN ACCORDANCE WITH AS4536.
13. DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS3511™ SHEET 2 OF 3	REV. C
	CABLE, SAFETY, KIT, CORROSION RESISTANT STEEL, UNS S30400		