

SAE Executive Standards Committee Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

REV.
C

AS3510™

FEDERAL SUPPLY CLASS
5340 5342

RATIONALE

THIS LIMITED SCOPE CHANGE REVISES MATERIAL FOR FERRULE AND END FITTING FROM AMS5689 TO AMS5570.

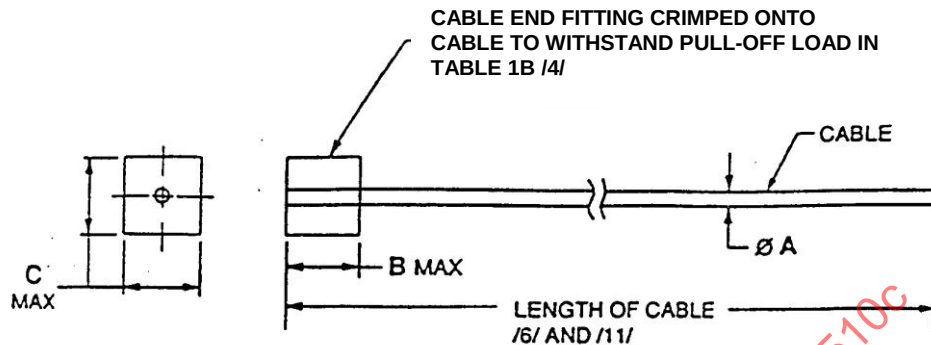


FIGURE 1 - SAFETY CABLE-END FITTING AND CABLE

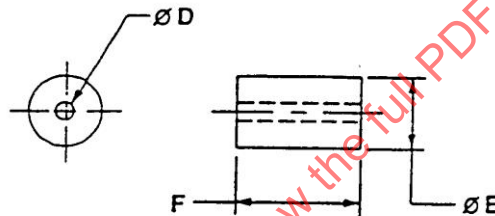


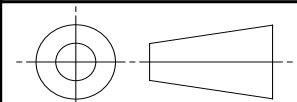
FIGURE 2 - FERRULE

TABLE 1A - DIMENSIONS A-D

PART NUMBER	Ø A /5/ INCH (MM)	B MAX INCH (MM)	C MAX INCH (MM)	Ø D INCH (MM)
AS3510-01XXX	.022-.026 (0.56-0.66)	.135 (3.43)	.085 (2.16)	.029-.032 (0.74-0.81)
AS3510-02XXX	.032-.038 (0.81-0.97)	.135 (3.43)	.125 (3.18)	.043-.049 (1.09-1.24)
AS3510-03XXX	.040-.046 (1.02-1.17)	.135 (3.43)	.125 (3.18)	.051-.057 (1.30-1.45)
AS3510-04XXX	.062-.072 (1.57-1.83)	.190 (4.83)	.155 (3.94)	.077-.083 (1.96-2.11)

For more information on this standard, visit
<https://www.sae.org/standards/content/AS3510C/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS4536



AEROSPACE STANDARD

CABLE, SAFETY, KIT,
CORROSION AND HEAT RESISTANT STEEL,
UNS S32100

AS3510™
SHEET 1 OF 3

REV.
C

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/
AS3510-01XXX	.089-.091 (2.26-2.31)	.087-.095 (2.21-2.41)	STRAND 1X7	30 (133.4)
AS3510-02XXX	.104-.106 (2.64-2.69)	.156-.164 (3.96-4.17)	CABLE 3X7	70 (311.4)
AS3510-03XXX	.104-.106 (2.64-2.69)	.156-.164 (3.96-4.17)	CABLE 7X7	110 (489.3)
AS3510-04XXX	.149-.151 (3.78-3.84)	.245-.255 (6.22-6.48)	CABLE 7X19	280 (1245.5)

NOTES:

1. MATERIAL:

CABLE - AMS5689. HEAT AND CORROSION RESISTANT STEEL WIRE (UNS S32100)

FERRULE AND END FITTING - AMS5570. HEAT AND CORROSION RESISTANT STEEL SEAMLESS TUBING (UNS S32100)

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 INCH (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 INCH (76.2 MM) INCREMENTS; MINIMUM LENGTH AT 6.0 INCH (152.4 MM), MAXIMUM LENGTH AT 24.0 INCH (609.6 MM), ±.50 (12.7 MM).

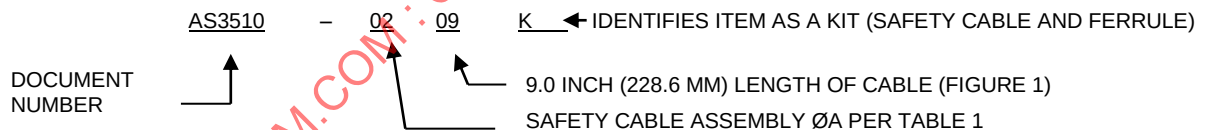
7. MARK PART NUMBER AND MANUFACTURER IDENTIFICATION PER AS478 CLASS N.

8. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

9. DIMENSIONS ARE IN INCHES, PARENTHESES ARE IN MILLIMETERS.

/10/ PULL-OFF LOAD IN POUND-FORCE, PARENTHESES IN NEWTONS.

/11/ EXAMPLE OF A KIT PART NUMBER: FOR .032 INCH (0.8128 MM) NOMINAL DIAMETER SAFETY CABLE AND FERRULE, 9.0 INCHES (228.6 MM) LONG CABLE AND FERRULE (SEE NOTE 12).



EXAMPLE OF A SAFETY CABLE PART NUMBER: FOR .032 INCH (0.8128 MM) NOMINAL DIAMETER SAFETY CABLE 9.0 INCHES (228.6 MM) LONG.

