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REV.  
D

AS3510™

FEDERAL SUPPLY CLASS  
5340

## RATIONALE

REVISE NOTE 1 TO INDICATE THE MATERIAL OF BOTH CABLE AND FERRULE, AND END FITTING, SHALL BE PER CHEMICAL COMPOSITION ONLY.

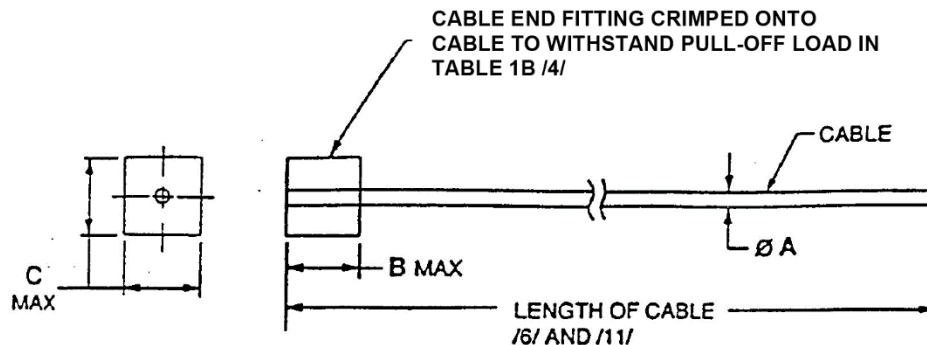


FIGURE 1 - SAFETY CABLE-END FITTING AND CABLE

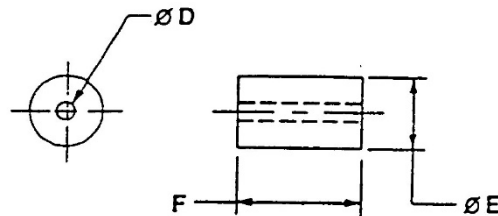


FIGURE 2 - FERRULE

TABLE 1A - DIMENSIONS A-D

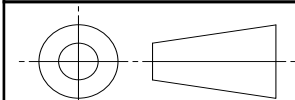
| PART NUMBER  | Ø A<br>/5/<br>INCHES (MM) | B<br>MAX<br>INCHES (MM) | C<br>MAX<br>INCHES (MM) | Ø D<br>INCHES (MM)    |
|--------------|---------------------------|-------------------------|-------------------------|-----------------------|
| AS3510-01XXX | .022-.026 (0.56-0.66)     | .135 (3.43)             | .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) |

TABLE 1B - DIMENSIONS E-F

| PART NUMBER  | Ø E<br>INCHES (MM)    | F<br>INCHES (MM)      | CABLE TYPE | MINIMUM<br>PULL-OFF LOAD<br>LBF (N)<br>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)                                         |

For more information on this standard, visit  
<https://www.sae.org/standards/content/AS3510D/>

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.  
D



Documents

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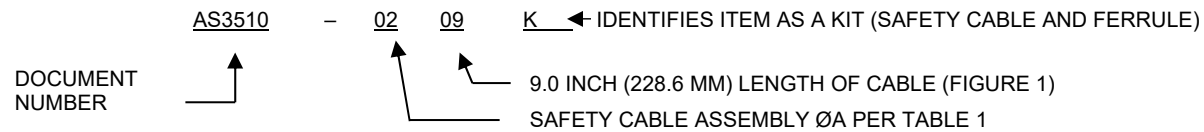
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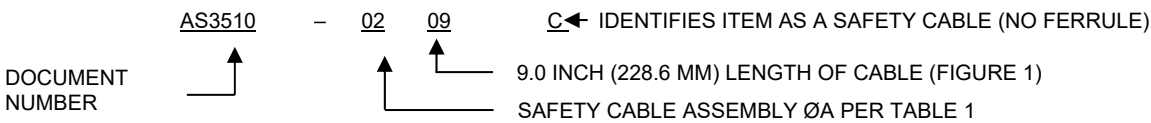
NOTES:

1. MATERIAL:
- a. CABLE: AMS5689. HEAT- AND CORROSION-RESISTANT STEEL WIRE (UNS S32100) CHEMICAL COMPOSITION ONLY.

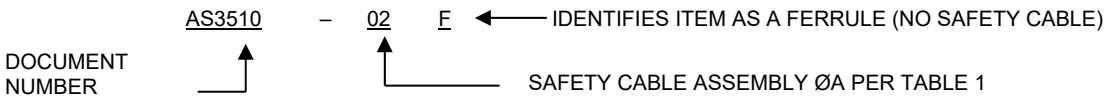
b. FERRULE AND END FITTING: AMS5570. HEAT- AND CORROSION-RESISTANT STEEL SEAMLESS TUBING (UNS S32100) CHEMICAL COMPOSITION ONLY.
2. PROCUREMENT SPECIFICATION: AS4536.
3. INSTALLATION IN ACCORDANCE WITH AS4536 AND AS567.
- /4/ CABLE END FITTING SHAPE OPTIONAL. HOWEVER, MUST BE WITHIN SPECIFIED ENVELOPE.
- /5/ CUT END OF CABLE OR STRAND SHALL BE FUSED TO PREVENT UNRAVELING AND CAN BE UP TO .006 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 INCHES (152.4 MM), MAXIMUM LENGTH AT 24.0 INCHES (609.6 MM), ±.50 INCH (12.7 MM).
7. MARK PART NUMBER AND MANUFACTURER IDENTIFICATION PER AS478 CLASS N.
8. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.
9. DIMENSIONS ARE IN INCHES. METRIC EQUIVALENTS IN PARENTHESES ARE FOR GENERAL INFORMATION ONLY AND ARE BASED ON 1 INCH = 25.4 MM.
- /10/ PULL-OFF LOAD IS IN POUND-FORCE (LBF). NEWTONS (N) ARE IN PARENTHESES.
- /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.



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



|                                                                                     |                                                                           |                                |                  |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------|------------------|
|  | <b>AEROSPACE STANDARD</b>                                                 | <b>AS3510™</b><br>SHEET 2 OF 3 | <b>REV.</b><br>D |
|                                                                                     | CABLE, SAFETY, KIT,<br>CORROSION- AND HEAT-RESISTANT STEEL,<br>UNS S32100 |                                |                  |