

REV.
B

AS18121™

FEDERAL SUPPLY CLASS
5940

RATIONALE

REVISION REQUIRED TO ADD APPLICATION INFORMATION AND MINOR TECHNICAL CHANGES.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS21608.

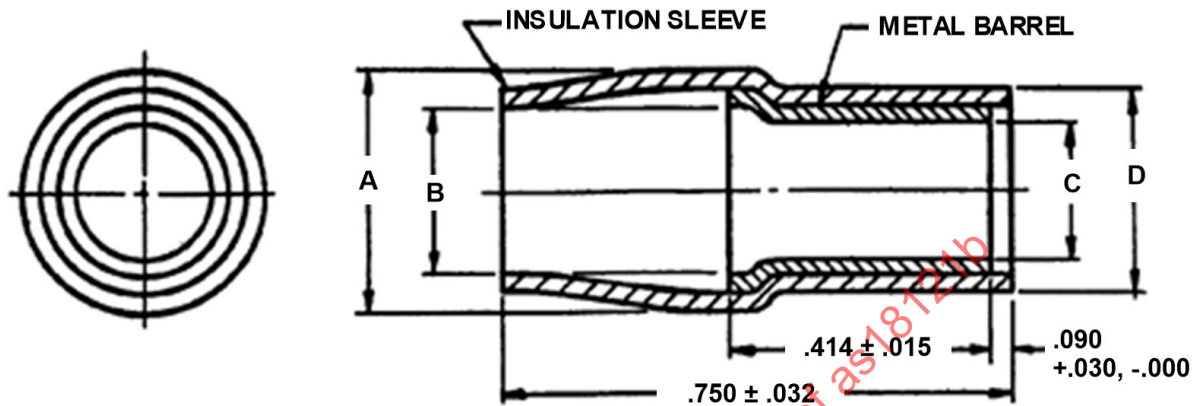


FIGURE 1 - FERRULE

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS21608.

1. MATERIAL:

- METAL BARREL MATERIAL SHALL BE COPPER OR BRASS ALLOY. ROCKWELL F65 MAXIMUM.
- FINISH SHALL BE TIN PLATE IN ACCORDANCE WITH ASTM B545 OR ASTM B339.
- INSULATING SLEEVE MATERIAL SHALL BE NYLON IN ACCORDANCE WITH ASTM D4066.

2. CONFIGURATION:

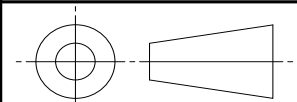
- DIMENSIONS IN INCHES SHALL BE IN ACCORDANCE WITH TABLE 1 AND FIGURE 1.
- SLEEVE COLOR SHALL BE IN ACCORDANCE WITH TABLE 1.
- REMOVE ALL BURRS AND SHARP EDGES. CHAMFER OR ROUND EDGES IS ACCEPTABLE.

3. MARKING:

- SLEEVES SHALL BE COLOR CODED IN ACCORDANCE WITH TABLE 1.
- SUPPLIER NAME OR SYMBOL IN ACCORDANCE WITH AIR1351 AND PART NUMBER SHALL BE ON UNIT PACKAGING.

For more information on this standard, visit
<https://www.sae.org/standards/content/AS18121B/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS21608



AEROSPACE STANDARD

(R) FERRULES, OUTER, INSULATED, SHIELD
TERMINATING, TYPE II TWO-PIECE, CLASS I,
FOR SHIELDED CABLE

AS18121™
SHEET 1 OF 3

REV.
B

4. PART NUMBER:

MS18121 -128

FERRULE DASH NUMBER (SEE TABLE 1)

MS PART NUMBER PREFIX AND AS18121 DETAIL SPECIFICATION NUMBER

5. CRIMP TOOLS:

- SUPPLIER SHALL MAKE AVAILABLE TO THE USER COMPLETE DETAILS OF THE TOOLS REQUIRED FOR TERMINATION OF FERRULE.
- CRIMP TOOL SHALL BE AS22520/5 DIES AS SPECIFIED IN TABLE 1.
- IF CLASS II TOOLS ARE USED (QUALIFICATION CERTIFICATION IS REQUIRED).

TABLE 1 - CONFIGURATION

DASH NUMBER MS18121-	SLEEVE COLOR	A ±.025	B ±.015	C ±.005	D ±.025	CRIMP DIE DASH NUMBER M22520/5-	DIE CLOSURE POSITION
101	NONE 1/	.177	.128	.101	.152	35	B
128	BLUE	.205	.149	.128	.182	37	B
149	PURPLE	.244	.175	.149	.219	41	B
156	YELLOW	.260	.184	.156	.233	43	B
175	BLUE	.283	.206	.175	.255	19	B
187	ORANGE	.299	.218	.187	.270	45	A
194	RED	.298	.223	.194	.270	45	A
199	NONE 1/	.305	.229	.199	.275	45	A
205	YELLOW	.315	.236	.205	.285	19	A
219	GREEN	.320	.247	.219	.293	19	A
225	PURPLE	.336	.253	.225	.302	19	A
232	ORANGE	.343	.260	.23	.314	43	A
261	YELLOW	.377	.292	.261	.347	41	A
275	NONE 1/	.396	.316	.275	.356	39	A
281	PURPLE	.414	.322	.281	.374	35	A
287	BLUE	.410	.325	.287	.372	35	A
297	GREEN	.418	.340	.297	.376	35	A
312	YELLOW	.454	.353	.312	.409	47	A
327	NONE 1/	.476	.368	.327	.436	23	A
348	ORANGE	.483	.389	.348	.453	23	A
359	PURPLE	.492	.397	.359	.454	23	A
375	YELLOW	.499	.416	.375	.459	49	A
405	RED	.553	.446	.405	.513	51	A
415	BLUE	.558	.456	.415	.518	51	A
460	NONE 1/	.604	.501	.460	.568	51	A
500	GREEN	.640	.541	.500	.620	27	A

1/ NO COLOR ADDED TO THE SLEEVE

6. QUALIFICATION:

- QUALIFICATION NOT REQUIRED. QUALITY CONFORMANCE DATA IS REQUIRED TO BE SUBMITTED WITH EACH PROCUREMENT UNLESS WAIVED BY THE PURCHASER.

	AEROSPACE STANDARD	AS18121™ SHEET 2 OF 3	REV. B
	(R) FERRULES, OUTER, INSULATED, SHIELD TERMINATING, TYPE II TWO-PIECE, CLASS I, FOR SHIELDED CABLE		