

REV.
B

AS21981™

FEDERAL SUPPLY CLASS
5940

RATIONALE

REVISION IS REQUIRED TO CLARIFY MATERIAL WHICH IS CAUSING PROCUREMENT ISSUES AND REMOVE CLASS II REFERENCE.

NOTICE

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

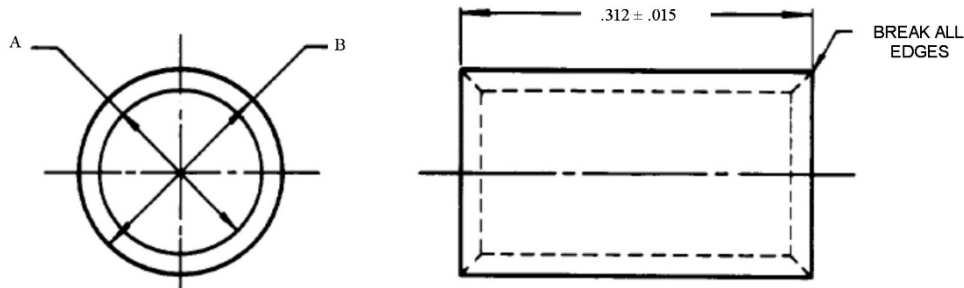


FIGURE 1 - INNER FERRULE CONFIGURATION

REQUIREMENTS (REFER TO AS21608):

1. BASE MATERIAL SHALL BE COPPER OR BRASS ALLOY WITH ROCKWELL HARDNESS 15T 78 TO 90. FINISH SHALL BE TIN IN ACCORDANCE WITH ASTM B545 TIN OR ASTM B339 AS APPLICABLE.
2. DIMENSIONS IN INCHES SHALL BE IN ACCORDANCE WITH TABLE 1 AND FIGURE 1.
3. MARKING SHALL BE COLOR CODED IN ACCORDANCE WITH TABLE 1.
4. REMOVE ALL BURRS AND SHARP EDGES. CHAMFER OR ROUND EDGES ARE ACCEPTABLE.
5. REQUIRED CRIMP TOOLS ARE M22520/5 OR /10 WITH VARIOUS DIES AS SPECIFIED.
6. SUPPLIER NAME OR SYMBOL IN ACCORDANCE WITH AIR1351 AND PART NUMBER REQUIRED ON UNIT PACKAGING.
7. PART NUMBER:

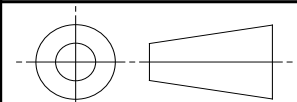
MS21981 -046

FERRULE DASH NUMBER (SEE TABLE 1)

MS PART NUMBER PREFIX AND AS21981 DETAIL SPECIFICATION NUMBER

For more information on this standard, visit
<https://www.sae.org/standards/content/AS21981B/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS21608



AEROSPACE STANDARD

FERRULE, INNER, UNINSULATED, SHIELD
TERMINATING, TYPE I, TWO PIECE, CLASS I, FOR
SHIELDED CABLES

AS21981™
SHEET 1 OF 3

REV.
B

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TABLE 1 - INNER FERRULE DIMENSIONS AND MARKING

MS21981 DASH NO.	COLOR CODE	A DIA		B DIA	
		MIN	MAX	MIN	MAX
-046	NO COLOR	.043	.049	.067	.073
-058	YELLOW	.055	.061	.080	.086
-063	RED	.060	.066	.085	.091
-071	GREEN	.068	.074	.093	.099
-080	BLUE	.077	.083	.101	.107
-090	ORANGE	.087	.093	.111	.117
-096	PURPLE	.093	.099	.116	.122
-101	YELLOW	.098	.104	.121	.127
-109	RED	.106	.112	.128	.134
-115	NO COLOR	.112	.118	.143	.149
-124	GREEN	.121	.127	.142	.148
-128	NO COLOR	.125	.131	.149	.155
-134	ORANGE	.131	.137	.153	.159
-149	BLUE	.146	.152	.176	.182
-156	RED	.153	.159	.189	.195
-165	NO COLOR	.162	.168	.191	.197
-175	GREEN	.172	.178	.212	.218
-187	YELLOW	.184	.190	.224	.230
-194	BLUE	.191	.197	.222	.229
-205	ORANGE	.202	.208	.242	.248
-219	NO COLOR	.216	.222	.247	.253
-225	YELLOW	.222	.228	.253	.259
-232	RED	.229	.235	.260	.266
-250	GREEN	.247	.253	.278	.284
-261	BLUE	.258	.264	.294	.300
-266	NO COLOR	.263	.269	.294	.300
-275	ORANGE	.272	.278	.303	.309
-281	YELLOW	.278	.284	.328	.334
-287	NO COLOR	.284	.290	.324	.330
-297	RED	.294	.300	.332	.338
-312	PURPLE	.309	.315	.359	.365
-348	ORANGE	.345	.351	.397	.403
-375	BLUE	.372	.378	.403	.409

QUALITY CONFORMANCE GROUP A INSPECTION:

- PERFORM TENSILE STRENGTH IN TABLE 5 OF AS21608B FOR 6 MONTHS FROM THE PUBLISHED DATE OF AS21981B.

TABLE 2 - QUALITY CONFORMANCE GROUP A INSPECTION

EXAMINATION OR TEST	REQUIREMENT PARAGRAPH	METHOD PARAGRAPH	(AQL) (PERCENT DEFECTIVE)	
			MAJOR	MINOR
TENSILE STRENGTH	3.5.3	4.5.2.3	0	0

	AEROSPACE STANDARD		AS21981™ SHEET 2 OF 3	REV. B
	FERRULE, INNER, UNINSULATED, SHIELD TERMINATING , TYPE I, TWO PIECE, CLASS I, FOR SHIELDED CABLES			



Documents

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