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AS81824™/15

RATIONALE

NEW DETAIL SPECIFICATION PER COMMITTEE REQUEST TO MEET THE NEED OF FLEXIBLE SEALED SPLICES.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81824.

THE SPLICE PACK COVERED BY THIS SPECIFICATION SHEET CONSISTS OF COMPONENTS DESCRIBED HEREIN AND ONE OR MORE PRIMARY WIRE SPLICES IN ACCORDANCE WITH AS81824/1.

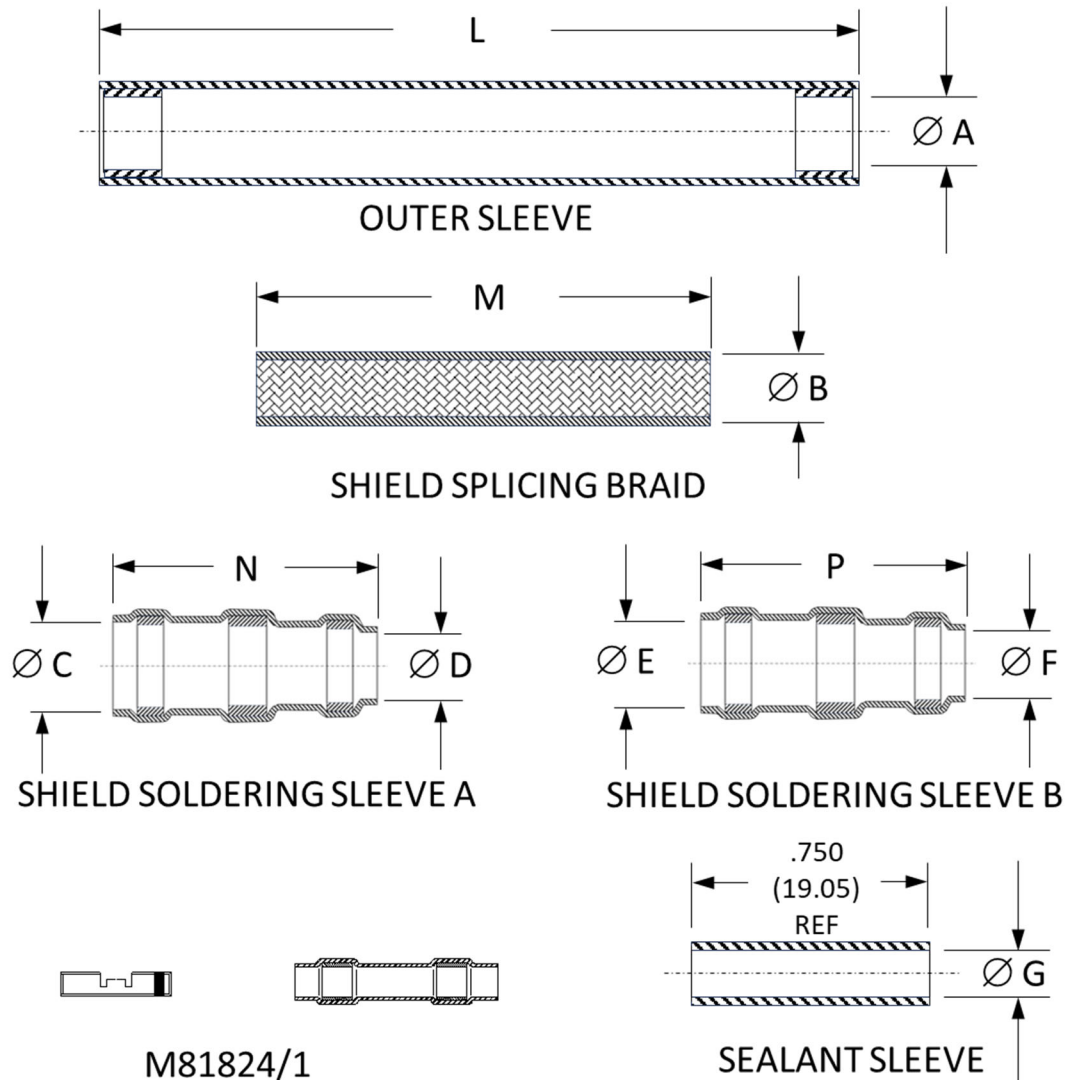
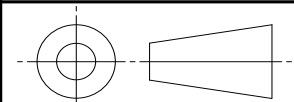


FIGURE 1 - SPLICE PACK COMPONENTS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS81824/15/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS81824



AEROSPACE STANDARD

SPLICES, ELECTRIC, PERMANENT, CRIMP STYLE, COPPER, INSULATED, FLEXIBLE, 150 °C, ENVIRONMENT RESISTANT, SPLICE PACK, SHIELDED CABLE, CLASS I

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TABLE 1 - SPLICE PACK COMPONENT DIMENSIONS

PART DESCRIPTION	DIAMETERS							LENGTHS			
	A	B	C	D	E	F	G	L	M	N	P
	MIN	MIN	MIN	MIN	MIN	MIN	±.005 (±0.12)	MAX	MIN	MAX	MAX
AS81824/15-01	.197 (5.0)	.200 (5.08)	.195 (5.00)	.175 (4.45)	N/A	N/A	N/A	4.750 (120.6)	2.559 (65.0)	.680 (17.25)	N/A
AS81824/15-02	.197 (5.0)	.200 (5.08)	.195 (5.00)	.175 (4.45)	N/A	N/A	N/A	4.750 (120.6)	2.559 (65.0)	.680 (17.25)	N/A
AS81824/15-03	.197 (5.0)	.200 (5.08)	.195 (5.00)	.175 (4.45)	N/A	N/A	N/A	4.750 (120.6)	2.755 (70.0)	.680 (17.25)	N/A
AS81824/15-04	.255 (6.5)	.250 (6.35)	.255 (6.45)	.235 (5.95)	N/A	N/A	N/A	4.750 (120.6)	2.559 (65.0)	.810 (20.50)	N/A
AS81824/15-05	.255 (6.5)	.250 (6.35)	.255 (6.45)	.235 (5.95)	N/A	N/A	.113 (2.87)	5.905 (150.0)	3.346 (85.0)	.810 (20.50)	N/A
AS81824/15-06	.255 (6.5)	.335 (8.51)	.300 (7.60)	.280 (7.10)	N/A	N/A	.150 (3.81)	5.905 (150.0)	3.346 (85.0)	.810 (20.50)	N/A
AS81824/15-07	.350 (8.9)	.335 (8.51)	.300 (7.60)	.280 (7.10)	N/A	N/A	.150 (3.81)	5.905 (150.0)	3.346 (85.0)	.810 (20.50)	N/A
AS81824/15-08	.350 (8.9)	.335 (8.51)	.300 (7.60)	.280 (7.10)	N/A	N/A	.150 (3.81)	5.905 (150.0)	3.346 (85.0)	.810 (20.50)	N/A
AS81824/15-09	.500 (12.7)	.380 (9.65)	.385 (9.75)	.345 (8.75)	N/A	N/A	.210 (5.26)	6.000 (152.4)	3.540 (90.0)	1.220 (31.00)	N/A
AS81824/15-10	.255 (6.5)	.335 (8.51)	.300 (7.60)	.280 (7.10)	N/A	N/A	.210 (5.26)	6.000 (152.4)	3.540 (90.0)	.810 (20.50)	N/A
AS81824/15-11	.255 (6.5)	.335 (8.51)	.300 (7.60)	.280 (7.10)	.255 (6.45)	.235 (5.95)	.150 (3.81)	5.905 (150.0)	3.346 (85.0)	.810 (20.50)	.810 (20.50)
AS81824/15-12	.350 (8.9)	.380 (9.65)	.385 (9.75)	.345 (8.75)	.300 (7.60)	.280 (7.10)	.207 (5.26)	5.905 (150.0)	3.346 (85.0)	1.220 (31.00)	.810 (20.50)
AS81824/15-13	.350 (8.9)	.380 (9.65)	.385 (9.75)	.345 (8.75)	N/A	N/A	.210 (5.26)	6.000 (152.4)	3.346 (85.0)	1.220 (31.00)	N/A
AS81824/15-14	.350 (8.9)	.380 (9.65)	.385 (9.75)	.345 (8.75)	.385 (9.75)	.280 (7.10)	.350 (8.90)	5.905 (150.0)	3.346 (85.0)	1.220 (31.00)	.810 (20.50)
AS81824/15-15	.350 (8.9)	.380 (9.65)	.385 (9.75)	.345 (8.75)	.385 (9.75)	.280 (7.10)	.350 (8.90)	6.000 (152.4)	3.346 (85.0)	1.220 (31.00)	.810 (20.50)

TABLE 2 - SPLICE PACK CONTENTS AND RECOMMENDED USE RANGES

PART NUMBER	PACK COMPONENT QUANTITIES							SEALING RING/CRIMP COLOR CODE	CONDUCTOR SIZE RANGE (CMA)
	M81824/1		OUTER SLEEVE	SHIELD SPlicing BRAID	SHIELD SOLDERING SLEEVE A	SHIELD SOLDERING SLEEVE B	SEALANT SLEEVE		
	DASH	QTY							
AS81824/16-01	-1	1	1	1	2	0	0	RED	305-1510
AS81824/16-02	-2	1	1	1	2	0	0	BLUE	779-2680
AS81824/16-03	-3	1	1	1	2	0	0	YELLOW	1900-6755
AS81824/16-04	-3	1	1	1	2	0	0	YELLOW	1900-6755
AS81824/16-05	-1	2	1	1	2	0	2	RED	305-1510
AS81824/16-06	-3	2	1	1	2	0	2	YELLOW	1900-6755
AS81824/16-07	-1	2	1	1	2	0	2	RED	305-1510
AS81824/16-08	-2	3	1	1	2	0	2	BLUE	779-2680
AS81824/16-09	-3	3	1	1	2	0	2	YELLOW	1900-6755
AS81824/16-10	-2	3	1	1	2	0	2	BLUE	779-2680
AS81824/16-11	-2	2	1	1	1	1	2	BLUE	779-2680
AS81824/16-12	-2	2	1	1	1	1	2	BLUE	779-2680
AS81824/16-13	-2	4	1	1	2	0	2	BLUE	779-2680
AS81824/16-14	-3	2	1	1	1	1	2	YELLOW	1900-6755
AS81824/16-15	-3	3	1	1	1	1	2	YELLOW	1900-6755



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INSULATED, FLEXIBLE, 150 °C, ENVIRONMENT RESISTANT,
SPLICE PACK, SHIELDED CABLE, CLASS I

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