H-HMB SERIES (AS83519/5)

SOLDER TERMINATION SLEEVES WITH PRE-INSTALLED BRAID, HIGH TEMPERATURE, ENVIRONMENT RESISTANT

PRODUCT FEATURES;

- **ENVIRONMENT RESISTANT SOLDER TERMINATION SLEEVE WITH PRE-INSTALLED FLAT NICKEL PLATED BRAID (1200 CMA, PRE-TINNED), FOR HIGH TEMPERATURE USE**
- **SAE AS83519/5 QUALIFIED (CLASS I); SN96 SOLDER, RA FLUX**
- **CONTINUOUS OPERATING TEMPERATURE: -55 °C TO +175 °C**
- **ROHS COMPLIANT**

BASIC PROPERTIES

- **MATERIAL : INSULATION SLEEVE - HEAT-SHRINKABLE, RADIATION CROSSLINKED, MODIFIED POLYVINYLIDENE FLUORIDE (TRANSPARENT BLUE)**
- **MELTABLE SEALING RING : THERMALLY STABILIZED THERMOPLASTIC (BLUE)**
- **SOLDER PREFORM : SN96 WITH RED THERMOCHROMIC INDICATOR, MELTS AT 221 °C, PER ANSI-J-STD-006 (CLASS II: NO RED THERMOCHROMIC INDICATOR)**
- **FLUX : ROM 1 TYPE RA FLUX FOR NICKEL APPLICATIONS, PER ANSI-J-STD-004**
- **PRE-INSTALLED BRAID : FLAT, NICKEL PLATED STRANDS, 1200 CMA, PER AA59569F36N0062, PRE-TINNED**
- **SHRINK RATIO : N/A; SHRINK TEMPERATURE : N/A; FLAMMABILITY : PER AS83519**
- **INDUSTRY : AEROSPACE, SOLDER TERMINATION; ENVIRONMENTAL COMPLIANCE : ROHS COMPLIANT**
- **SPECIFICATIONS / APPROVALS : SAE-AS83519/5**

STS DIMENSIONS (INCHES) :

SAE AS83519/5PART NUMBER	MARKINGCODE	SUMITOMOPART NUMBER	L±.070	L1MIN	ØDMIN	ØD1MIN
AS83519/5-6	S0506S	H-HMB-6	.650	.325	.075	.105
AS83519/5-7	S0507S	H-HMB-7	.650	.325	.104	.140
AS83519/5-8	S0508S	H-HMB-8	.650	.325	.169	.197
AS83519/5-9	S0509S	H-HMB-9	.776	.325	.234	.254
AS83519/5-10	S0510S	H-HMB-10	.776	.325	.276	.299
AS83519/5-16	S0516S	H-HMB-16	.650	.325	.075	.105
AS83519/5-17	S0517S	H-HMB-17	.650	.325	.105	.145
AS83519/5-18	S0518S	H-HMB-18	.650	.325	.170	.200
AS83519/5-19	S0519S	H-HMB-19	.752	.325	.235	.255
AS83519/5-20	S0520S	H-HMB-20	.752	.325	.275	.300

*CLASS II: NO “S0” PREFIX ON MARKING CODE; ADD -C2 SUFFIX TO PART NUMBER (PER DRAWING TABLE I)

H-HMB SERIES (AS83519/5)

SOLDER TERMINATION SLEEVES WITH PRE-INSTALLED BRAID, HIGH TEMPERATURE, ENVIRONMENT RESISTANT

CABLE PREPARATION MEASUREMENTS (INCHES)

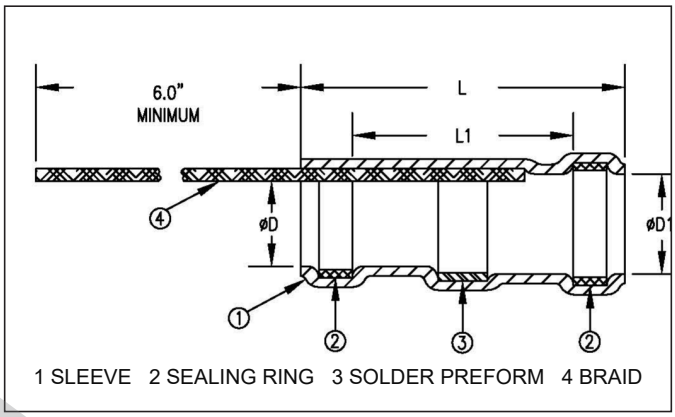
SUMITOMOPART NUMBER	ØD2MAX	ØD3MIN	ØD4MAX	ØD4MIN	L2RANGE
H-HMB-6, -16	.075	.035	.105	.020	.270-.330
H-HMB-7, -17	.105	.055	.140,.145	.030	.270-.330
H-HMB-8, -18	.170	.085	.197, .200	.050	.270-.330
H-HMB--9, -19	.235	.130	.254, .255	.070	.270-.330
H-HMB-10, -20	.275	.169	.299, .300	.100	.270-.330

MATERIALS

1. INSULATION SLEEVE	HEAT-SHRINKABLE, RADIATION CROSSLINKED, MODIFIED POLYVINYLIDENE FLUORIDE. COLOR = TRANSPARENT BLUE.
2. MELTABLE SEALING RING	THERMALLY STABILIZED THERMOPLASTIC. COLOR = BLUE.
3. SOLDER PREFORM	ALLOY - SN96 WITH RED THERMOCHROMIC INDICATOR, MELTS AT 221 °C, PER ANSI-J-STD-006. *(CLASS II = NO RED THERMOCHROMIC INDICATOR). FLUX: ROM 1 TYPE RA FLUX FOR NICKEL APPLICATIONS, PER ANSI-J-STD-004.
4. PRE-INSTALLED BRAID	FLAT, NICKEL PLATED STRANDS, 1200 CMA, PER AA59569F36N0062, PRE-TINNED.
5. MARKING CODE	APPLIED TO SLEEVE.

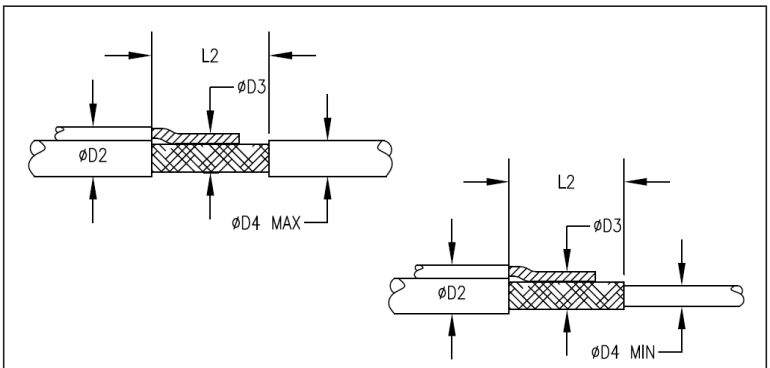
NOTES

1. PLEASE REFER TO THE SUMITOMO ELECTRIC STS INSTALLATION GUIDE FOR RECOMMENDED ASSEMBLY INFORMATION.
2. TEMPERATURE RANGE: -55 °C TO +175 °C.



1 SLEEVE 2 SEALING RING 3 SOLDER PREFORM 4 BRAID

RECOMMENDED CABLE PREPARATION



RECOMMENDED CABLE PREPARATION (L2)

ORDERING INFORMATION

PART NUMBERS	H-HMB-6 THROUGH H-HMB-20 (SAE AS83519/5-6 THROUGH AS83519/5-20)
MARKING CODES	S0506S THROUGH S0520S

SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.

915 ARMORLITE DR. SAN MARCOS, CA 92069

760-761-0600 **info@SEIPUSA.COM**

SUMITOMO ELECTRIC GROUP

DIMENSIONS ARE SHOWN FOR REFERENCE PURPOSES AND SUBJECT TO CHANGE WITHOUT NOTICE.

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