

| DATE | SYM | REVISION RECORD | AUTH | DR |
|------|-----|-----------------|------|----|
|      |     |                 |      |    |

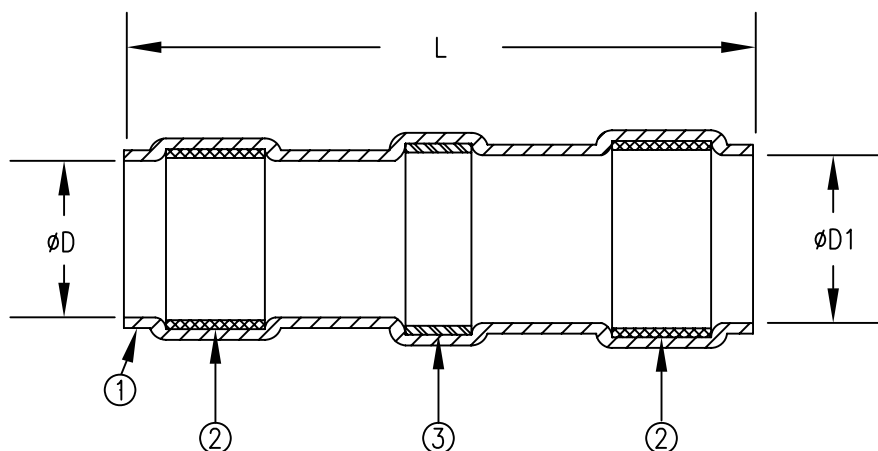


TABLE I: PRODUCT DETAILS

| NAS 1745<br>PART NUMBER | MARKING<br>CODE | SUMITOMO<br>PART NUMBER | L<br>± .062 | ØD<br>MINIMUM | ØD1<br>MINIMUM |
|-------------------------|-----------------|-------------------------|-------------|---------------|----------------|
| 1745-1                  | 1745-1          | H-C-1                   | .625        | .075          | .095           |
| 1745-2                  | 1745-2          | H-C-2                   | .625        | .110          | .125           |
| 1745-3                  | 1745-3          | H-C-3                   | .625        | .180          | .200           |
| 1745-17                 | 1745-17         | H-C-4                   | .750        | .235          | .255           |
| 1745-4                  | 1745-4          | H-C-5                   | .750        | .280          | .300           |
| N/A                     | N/A             | H-C-5.5                 | .900        | .355          | .410           |
| 1745-18                 | 1745-18         | H-C-6                   | 1.100       | .440          | .460           |
| 1745-19                 | 1745-19         | H-C-7                   | 1.100       | .525          | .545           |

|                                                                                                                                                                   |  |  |                                                                        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------|--|
| DIMENSIONS ARE IN INCHES<br>TOLERANCES: (EXCEPT AS NOTED)<br>LINEAR<br>0.0 = N/A<br>0.00 = N/A<br>0.000 = N/A<br>ANGULAR<br>0° = N/A<br>0°0' = N/A<br>0°00' = N/A |  |  | 915 ARMORLITE DR., SAN MARCOS, CA 92069                                |  |
| TITLE:<br>SOLDER TERMINATION SLEEVE<br>IMMERSION RESISTANT. NAS 1745 QUALIFIED                                                                                    |  |  | DRAWING NUMBER:<br>H-C-X NAS 1745                                      |  |
| DRAWN: N. CANADAY 03-30-07<br>APPROVED: Jon M. Mills 03-30-07<br>OTHER REF. NAS 1745                                                                              |  |  | REPLACES DWG NO.: NAS 1745-HC<br>SCALE: NONE<br>CAD NO. H-C-X NAS 1745 |  |
| An STS PRODUCT                                                                                                                                                    |  |  | SHEET 1 OF 2                                                           |  |

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# RECOMMENDED CABLE PREPARATIONS:

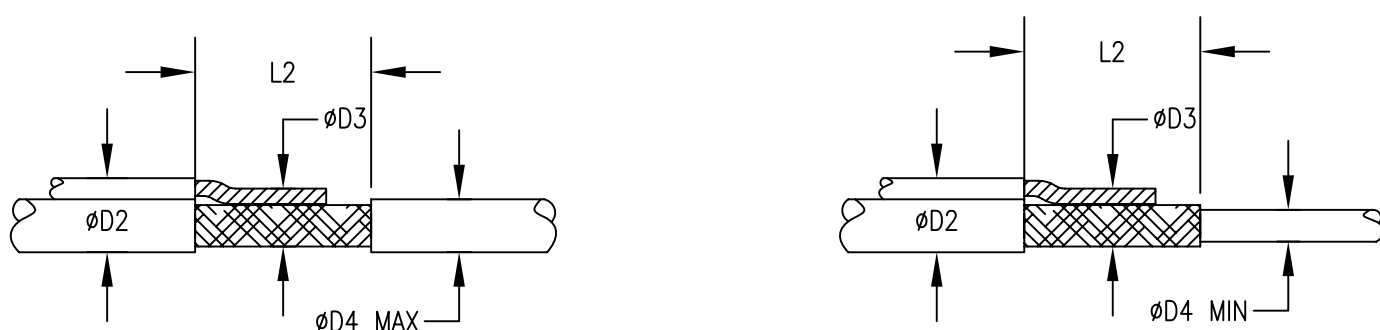


TABLE II: CABLE PREPARATION MEASUREMENTS

| SUMITOMO<br>PART NUMBER | ØD2<br>MAXIMUM | ØD3<br>MINIMUM | ØD4<br>MAXIMUM | ØD4<br>MINIMUM | L2<br>RANGE |
|-------------------------|----------------|----------------|----------------|----------------|-------------|
| H-C-1                   | .095           | .035           | .075           | .020           | .250-.325   |
| H-C-2                   | .125           | .055           | .110           | .030           | .250-.325   |
| H-C-3                   | .200           | .085           | .175           | .050           | .250-.325   |
| H-C-4                   | .255           | .130           | .235           | .070           | .250-.325   |
| H-C-5                   | .300           | .170           | .280           | .100           | .250-.325   |
| H-C-5.5                 | .410           | .210           | .355           | .180           | .250-.325   |
| H-C-6                   | .460           | .225           | .440           | .220           | .250-.325   |
| H-C-7                   | .545           | .350           | .525           | .260           | .250-.325   |

## MATERIALS:

- ① INSULATION SLEEVE:  
HEAT-SHRINKABLE, RADIATION CROSSLINKED, MODIFIED POLYVINYLDENE FLUORIDE.  
COLOR = TRANSPARENT BLUE.
- ② MELTABLE SEALING RING:  
THERMALLY STABILIZED THERMOPLASTIC. COLOR = 2 CLEAR
- ③ SOLDER PREFORM:  
ALLOY - Sn63 EUTECTIC AT 183°C. PER ANSI-J-STD-006.  
FLUX - ROL1 TYPE RMA FLUX FOR TIN OR SILVER APPLICATIONS. PER ANSI-J-STD-004.

## NOTES:

1. THESE PRODUCTS ARE TESTED AND QUALIFIED TO NAS 1745 STANDARDS PLEASE REFER TO THE SUMITOMO ELECTRIC STS INSTALLATION GUIDE FOR RECOMMENDED ASSEMBLY INFORMATION.
2. TEMPERATURE RANGE: -55°C TO +150°C.

|                               |                     |                        |                                                                                                                                                  |                                         |                                                                                |                 |
|-------------------------------|---------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------|-----------------|
| DIMENSIONS ARE IN INCHES      |                     |                        |  <div>SUMITOMO ELECTRIC<br/>INTERCONNECT PRODUCTS, INC.</div> |                                         |                                                                                |                 |
| TOLERANCES: (EXCEPT AS NOTED) |                     |                        |                                                                                                                                                  |                                         |                                                                                |                 |
| LINEAR                        |                     | ANGULAR                |                                                                                                                                                  | 915 ARMORLITE DR., SAN MARCOS, CA 92069 |                                                                                |                 |
| 0.0 = N/A                     |                     | 0° = N/A               |                                                                                                                                                  |                                         |                                                                                |                 |
| 0.00 = N/A                    |                     | 0°0' = N/A             |                                                                                                                                                  |                                         |                                                                                |                 |
| 0.000 = N/A                   |                     | 0°00' = N/A            |                                                                                                                                                  |                                         |                                                                                |                 |
| An STS PRODUCT                |                     |                        |                                                                                                                                                  |                                         | TITLE:<br>SOLDER TERMINATION SLEEVE<br>IMMERSION RESISTANT. NAS 1745 QUALIFIED |                 |
| DRAWN                         | N. CANADAY          | 03-30-07               | DRAWING NUMBER:<br>H-C-X NAS 1745                                                                                                                |                                         |                                                                                | REV<br>—        |
| APPROVED                      | <i>Jon M. Mills</i> | 03-30-07               | REPLACES DWG NO.: NAS 1745-HC                                                                                                                    |                                         |                                                                                |                 |
| OTHER REF.<br>NAS 1745        |                     | ORIG. DATE<br>03-30-07 | SCALE:<br>NONE                                                                                                                                   |                                         | CAD NO.<br>H-C-X NAS 1745                                                      | SHEET<br>2 OF 2 |