



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**THIS PRODUCT MANUFACTURED WITH LEAD-FREE PROCESSING**

**DESIGNED & DIMENSIONED IN MILLIMETERS [INCHES]**

**SCPE-X-XX.XX-XX-X-XX**

DO NOT SCALE FROM THIS PRINT

SCPE-G-XX.XX-D BOM			
ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	ECA-02-02	XX.XX	CABLE
2	MODP-01-8P8C-X-XX	2	CONNECTOR
3	SCN-17-01	2	CABLE NUT
4	MD-PTC-RF-640-BK	1	PREMOLD
5	MD-NYL-ZY-70G13-BK	1	OVERMOLD
6	LABEL-ET	1	LABEL ET

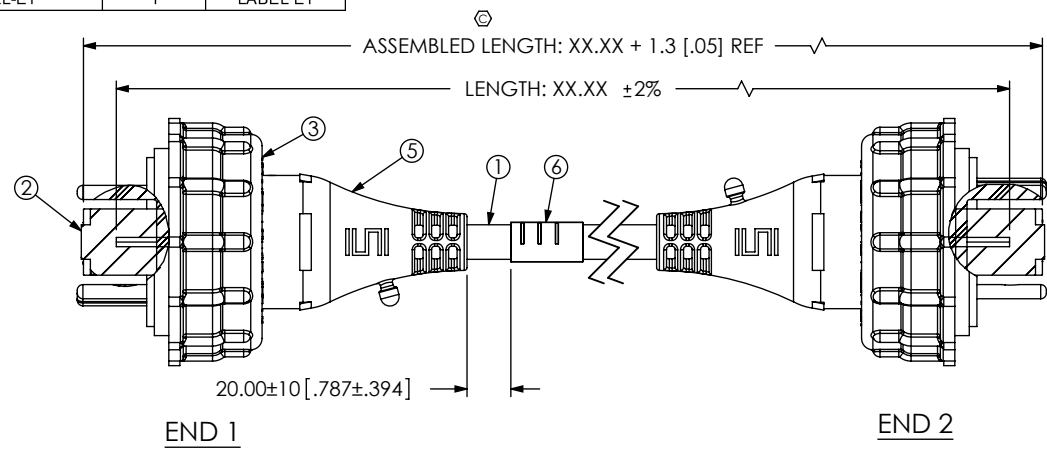
**PLATING SPECIFICATION**  
 -G: 50µ" GOLD ON CONTACT AREAS, NICKEL ON SHELLS

**LENGTH**  
 -XX.XX (IN METERS)  
 (FOR LENGTHS 05.00 METERS AND GREATER, -O OPTION IS REQUIRED)

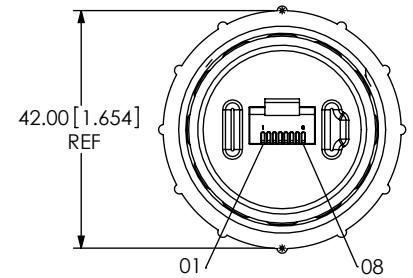
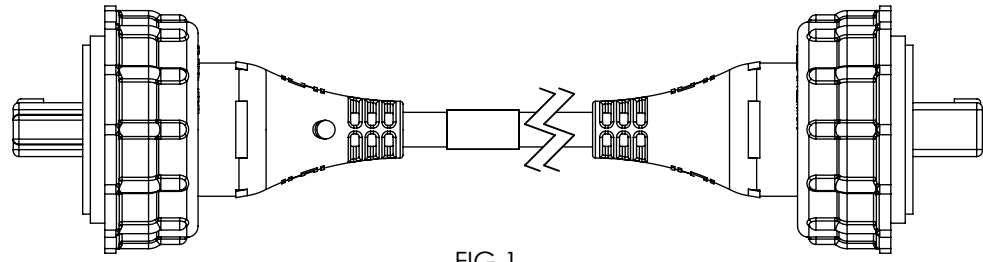
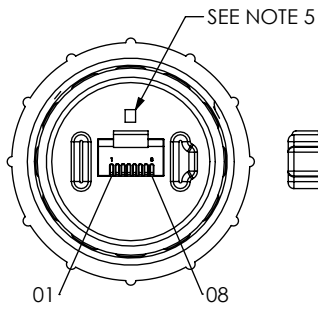
**POLARIZATION OPTION**  
 -NP: NO POLARIZATION (ONLY MATES WITH SCRES-X-XX.XX-XX-C5E) (SEE FIGS 4 & 5, SHT 2)

**OUTDOOR OPTION**  
 -O: OUTDOOR RATED

**END OPTION**  
 -D: DOUBLE ENDED (BOTH ENDS SEALED) (SEE FIG 1, SHT 1)  
 -S: SINGLE ENDED (ONE END SEALED) (SEE FIG 2, SHT 2)  
 -BC: BLUNT CUT (ONE END SEALED) (SEE FIG 3, SHT 3)




**NOTE:**  
 -02.00, -03.00, AND -05.00 ARE CATALOG STANDARD LENGTHS. FOR OTHER LENGTHS (0.25M[9.84] MIN - 5.00M[196.85] MAX) CONTACT SAMTEC.



**FIG 1**  
 SCPE-G-XX.XX-D SHOWN

**NOTES:**

1. REPRESENTS A CRITICAL DIMENSION.
2. NOTE DELETED.
3. SAMTEC LOGO TO APPEAR ON SURFACE AS SHOWN, APPROXIMATELY 4.50[.177] x 7.50[.295], RAISED 0.25[.010].
4. NOTE DELETED.
5. ALL MULTIPLE CAVITY MOLDS SHALL IDENTIFY EACH CAVITY WITH A NUMBER DESIGNATION LOCATED WHERE SHOWN.
6. ALL IDENTIFICATION MARKS SHALL NOT STAND GREATER THAN 0.05[.002] OFF THE SURFACE OF THE PART.
7. MOLD TO BE INSERTED TO ACCEPT DIFFERENT CABLE DIAMETERS.
8. ASSEMBLY TO BE 100% ELECTRICALLY TESTED TO CAUSE USING FLUKE DTX-1800 CABLE ANALYZER. AFTER FINAL ELECTRICAL TEST, LABEL EACH ASSEMBLY WITH 1 LABEL-ET.
9. ALL EJECTOR PIN AND GATE LOCATIONS MUST BE APPROVED BY SAMTEC PRODUCT ENGINEERING.
10. ANY ADDITIONAL VOIDING AND/OR MODIFICATIONS TO VOIDING MUST BE APPROVED BY SAMTEC PRODUCT ENGINEERING.
11. ALL DRAFT MUST BE WITHIN THE SPECIFIED TOLERANCES.
12. ALL INSIDE/OUTSIDE RADII 0.13 MAX UNLESS OTHERWISE STATED.
13. NOTE DELETED.
14. NOTE DELETED.
15. ASSEMBLY TO BE BULK PACKAGED.
16. CABLE NUT TORQUE SPEC: 12 IN-LBS.
17. NOTE DELETED.
18. MAXIMUM REGRIND ON OVERMOLD: 10%.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE: DECIMALS ANGLES X.X: ±0.35 [.014] X.XX: ±0.25 [.010] X.XXX: ±0.15 [.006]	<b>PROPRIETARY NOTE</b> THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.	 520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322
DESCRIPTION: SEALED CIRCULAR CABLE PLUG, ETHERNET		DWG. NO. <b>SCPE-X-XX.XX-XX-X-XX</b>
BY: CHAD F 12/11/2004		SHEET 1 OF 11

SCPE-G-XX.XX-S BOM			
ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	ECA-02-02	XX.XX	CABLE
2	MODP-01-8P8C-X-XX	2	CONNECTOR
3	SCN-17-01	1	CABLE NUT
4	MD-PTC-RF-640-BK	1	PREMOLD
5	MD-NYL-ZY-70G13-BK	1	OVERMOLD
6	LABEL-ET	1	LABEL ET
7	ETHB-02	1	ETHERNET BOOT

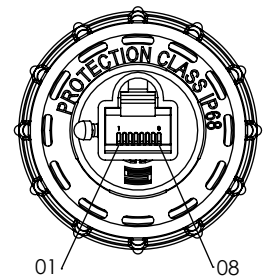
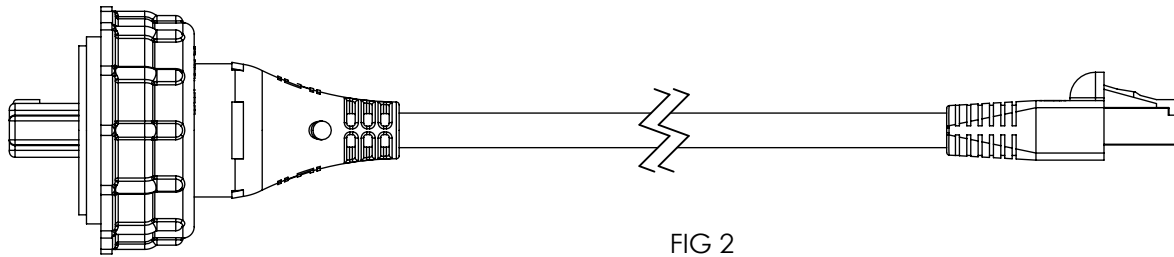
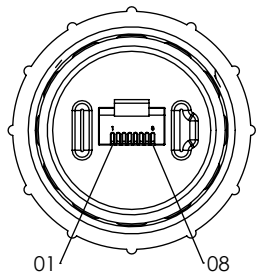
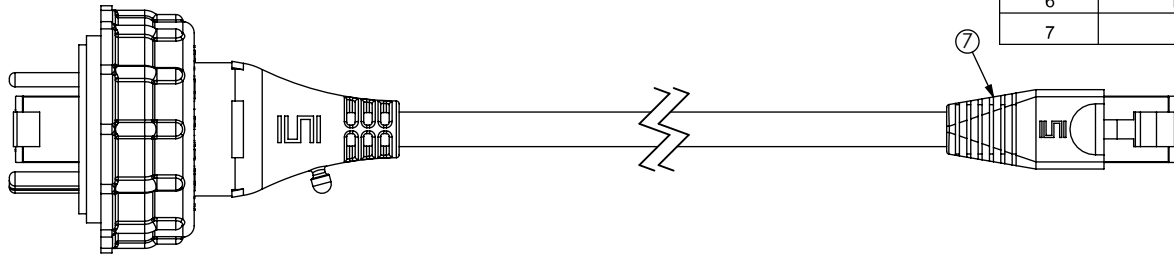


FIG 2  
SCPE-G-XX.XX-S SHOWN  
(SEE SHEET 7-8 FOR IN-PROCESS VIEWS)  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

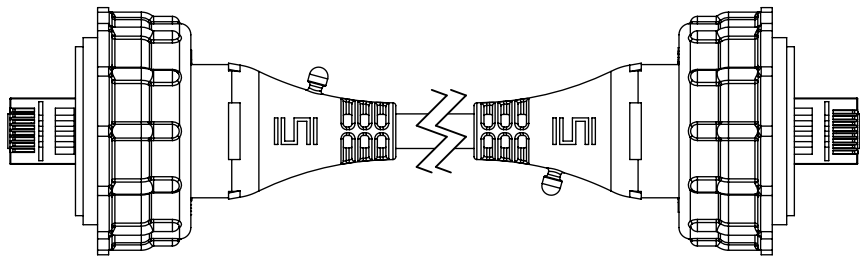


FIG 4  
SCPE-G-XX.XX-D-NP SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

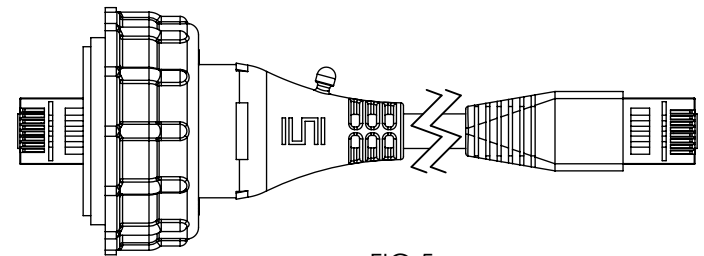


FIG 5  
SCPE-G-XX.XX-S-NP SHOWN  
(SAME AS FIG 2, UNLESS OTHERWISE STATED)

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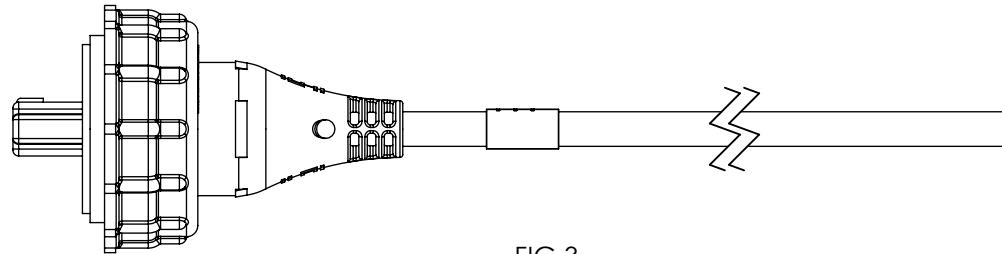
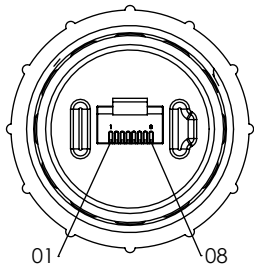
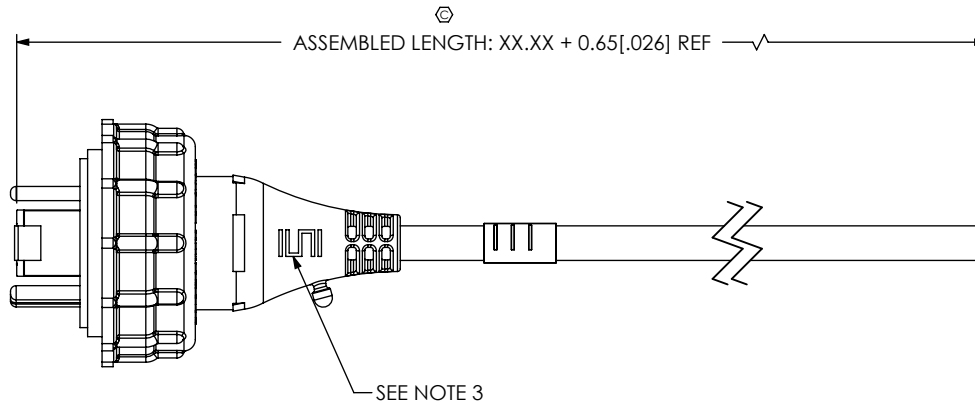
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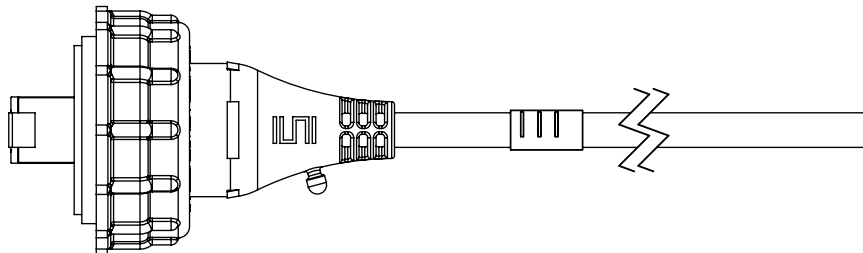
DESCRIPTION:  
SEALED CIRCULAR CABLE PLUG, ETHERNET

DWG. NO. **SCPE-X-XX.XX-XX-X-XX**

BY: CHAD F 12/11/2004 SHEET 2 OF 11



**FIG 3**  
 SCPE-G-XX.XX-BC SHOWN  
 (SEE SHEET 9-11 FOR IN-PROCESS VIEWS)  
 (SAME AS FIG 1, UNLESS OTHERWISE STATED)



**FIG 6**  
 SCPE-G-XX.XX-BC-NP  
 (SAME AS FIG 3, UNLESS OTHERWISE STATED)

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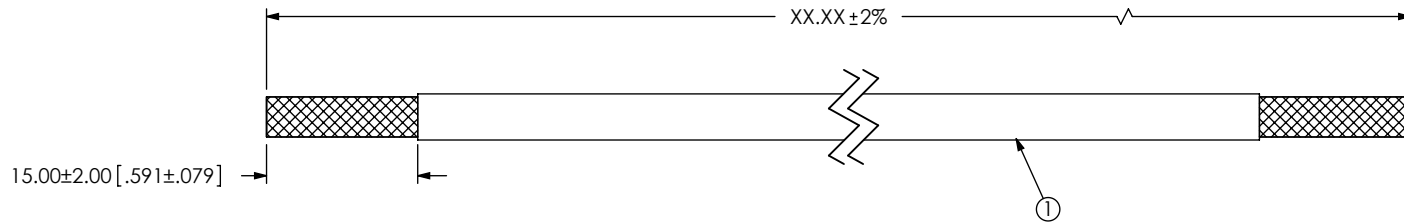
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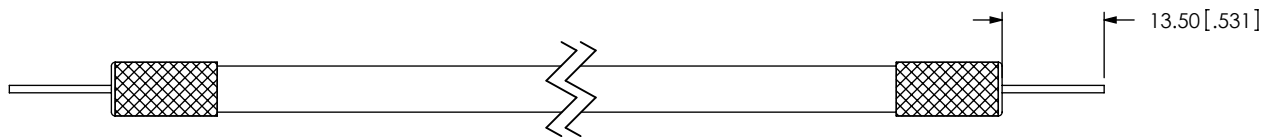
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DWG. NO. **SCPE-X-XX.XX-XX-X-XX**

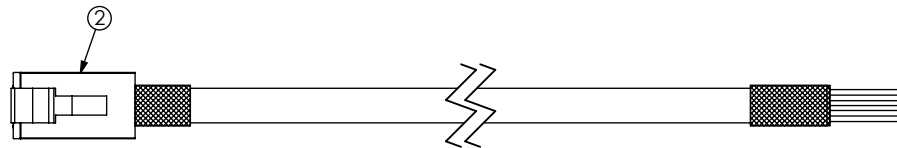
BY: CHAD F 12/11/2004 SHEET 3 OF 11



-D IN-PROCESS 1  
(CUT CABLE TO LENGTH AND STRIP OUTER JACKET)

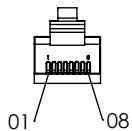


-D IN-PROCESS 2  
(FOLD SHIELD BACK OVER JACKET)



END 1

END 2



-D IN-PROCESS 3  
TERMINATE FIRST END TO CONNECTOR  
(SEE TABLE 3, SHT 5)

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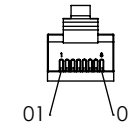
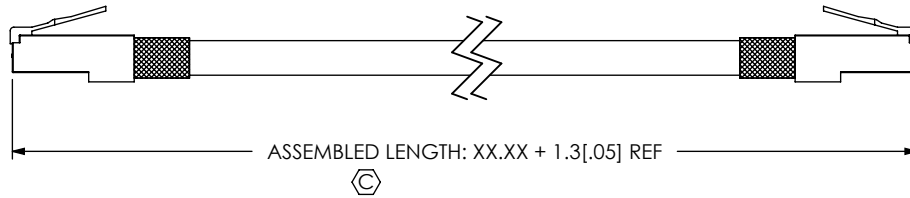
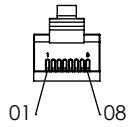
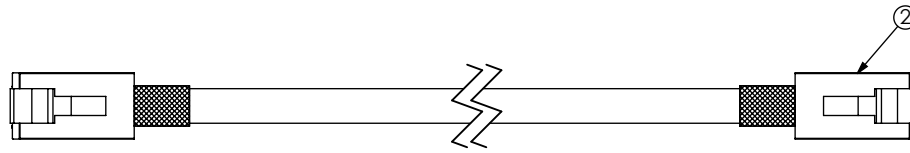
DESCRIPTION:  
SEALED CIRCULAR CABLE PLUG, ETHERNET

DWG. NO. **SCPE-X-XX.XX-XX-X-XX**

BY: CHAD F 12/11/2004 SHEET 4 OF 11

TABLE 3 - PIN-OUT

END 1 POS	COLOR	END 2 POS	
01	WHITE/ORANGE	01	TWISTING
02	ORANGE	02	
03	WHITE/GREEN	03	TWISTING
04	BLUE	04	
05	WHITE/BLUE	05	TWISTING
06	GREEN	06	
07	WHITE/BROWN	07	TWISTING
08	BROWN	08	
SHELL	BRAID	SHELL	

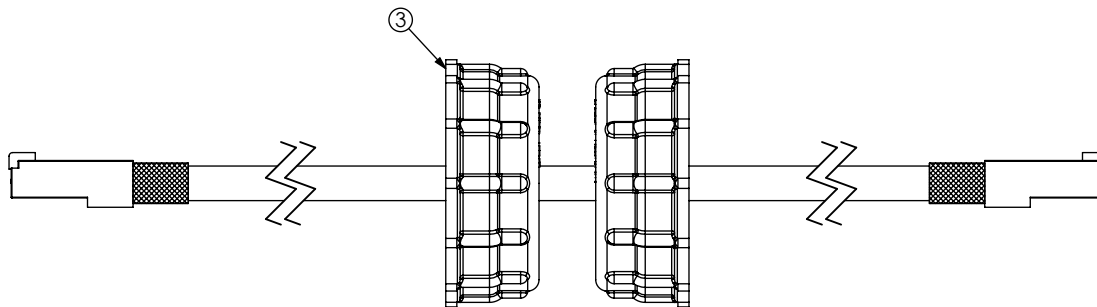


-D IN-PROCESS 4  
 TERMINATE SECOND END TO CONNECTOR  
 (SEE NOTE 8)

BREAK LATCH ARM FREE (2 PLCS)



-D IN-PROCESS 5  
 REMOVE LATCH ARMS



-D IN-PROCESS 6  
 ADD CABLE NUT

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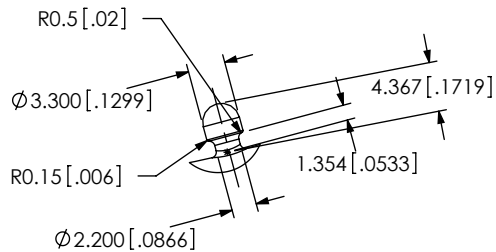
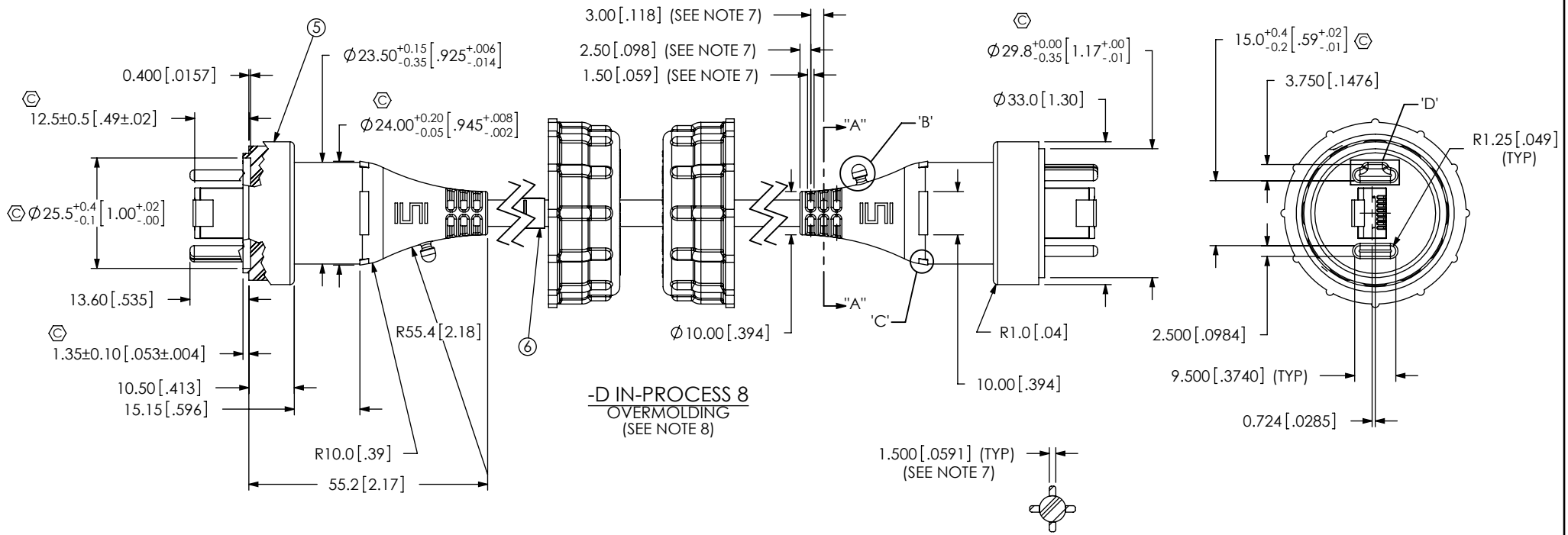
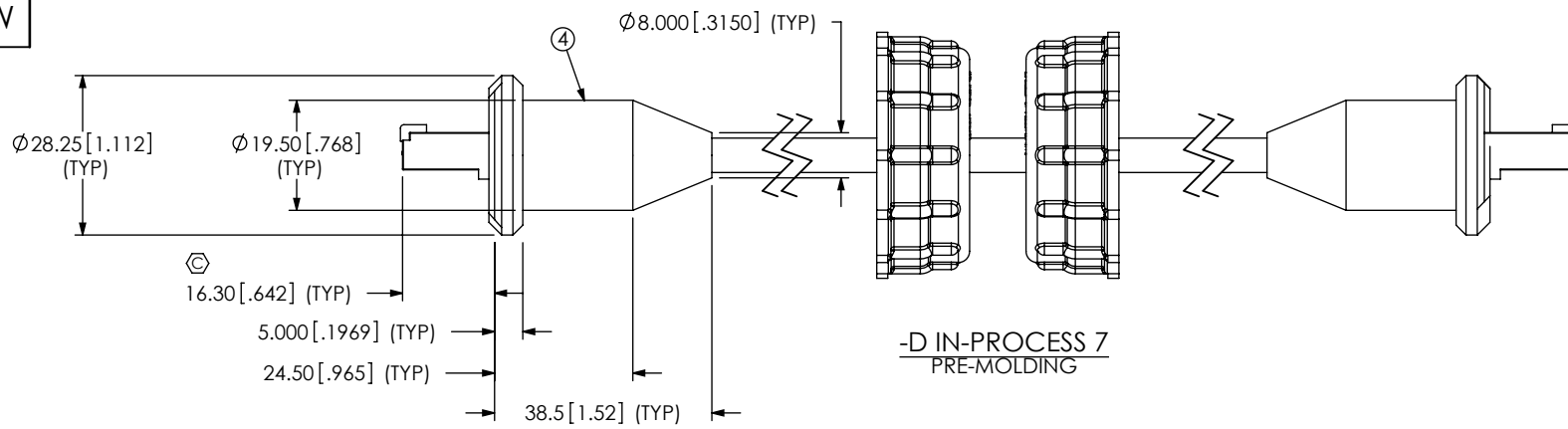


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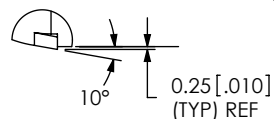
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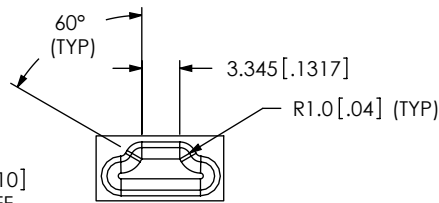
BY: CHAD F 12/11/2004 SHEET 5 OF 11



DETAIL 'B'  
SCALE 1.5 : 1



DETAIL 'C'  
SCALE 1.5 : 1



DETAIL 'D'  
SCALE 1.5 : 1

SECTION "A"- "A"

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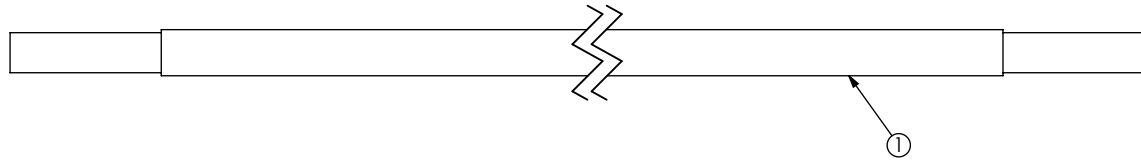
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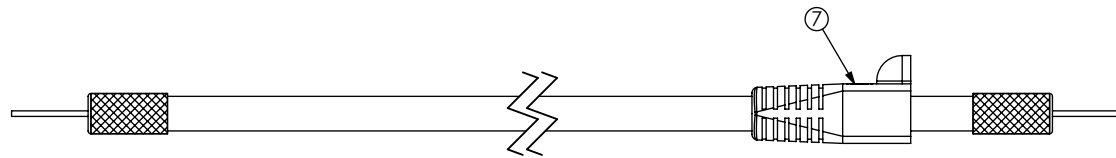
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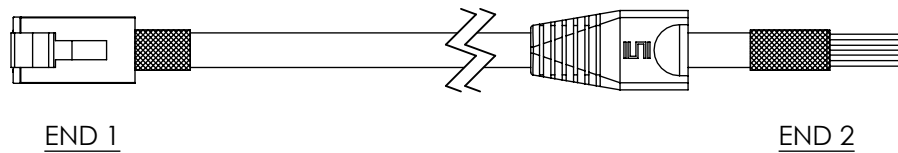
BY: CHAD F 12/11/2004 SHEET 6 OF 11



-S IN-PROCESS 1  
 (CUT CABLE TO LENGTH AND STRIP OUTER JACKET)  
 (SAME AS -D IN-PROCESS 1, UNLESS OTHERWISE STATED)

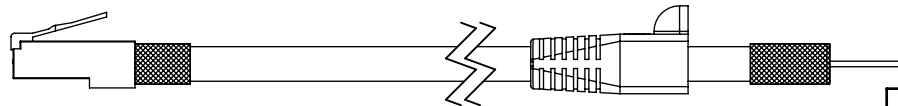
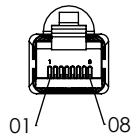


-S IN-PROCESS 2  
 (FOLD SHIELD BACK OVER JACKET AND ASSEMBLE BOOT)  
 (SAME AS -D IN-PROCESS 2, UNLESS OTHERWISE STATED)



END 1

END 2



-S IN-PROCESS 3  
 TERMINATE FIRST END TO CONNECTOR  
 (SAME AS -D IN-PROCESS 3, UNLESS OTHERWISE STATED)

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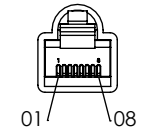
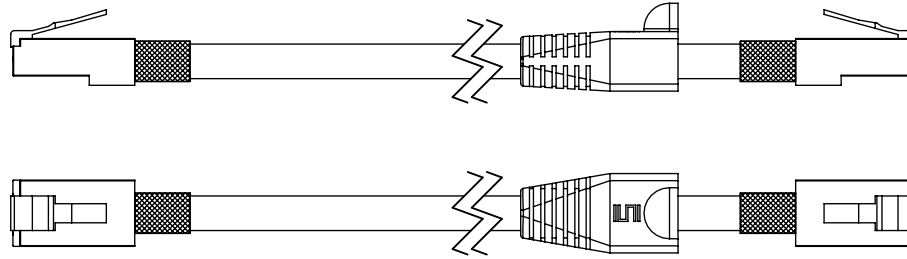
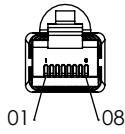
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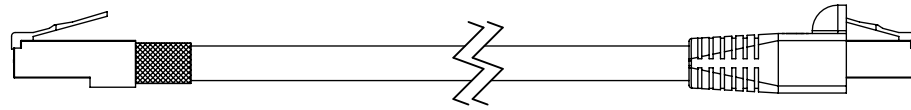
DWG. NO. **SCPE-X-XX.XX-XX-X-XX**

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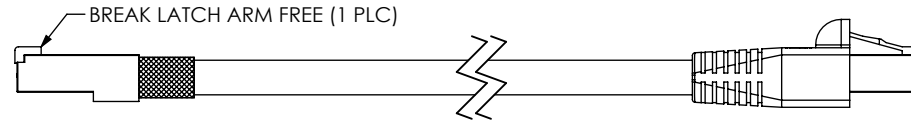




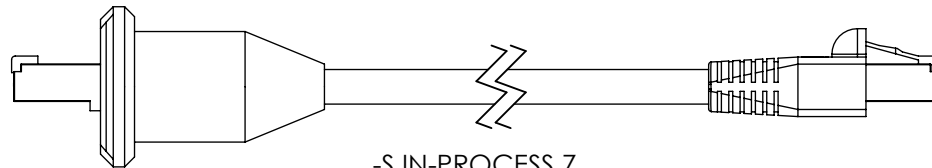
**-S IN-PROCESS 4**  
 TERMINATE SECOND END TO CONNECTOR  
 (SAME AS -D IN-PROCESS 4, UNLESS OTHERWISE STATED)



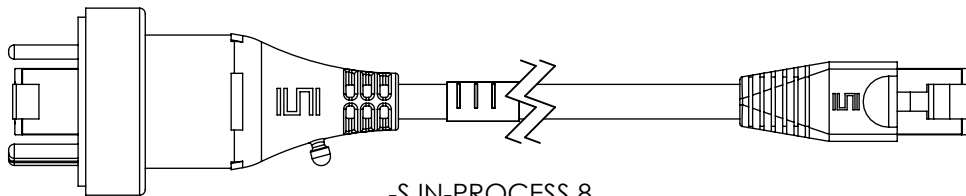
**-S IN-PROCESS 5**  
 ASSEMBLE BOOT TO CONNECTOR



**-S IN-PROCESS 6**  
 REMOVE LATCH ARM  
 (SAME AS -D IN-PROCESS 5, UNLESS OTHERWISE STATED)



**-S IN-PROCESS 7**  
 PREMOLDING  
 (SAME AS -D IN-PROCESS 7, UNLESS OTHERWISE STATED)



**-S IN-PROCESS 8**  
 OVERMOLDING  
 (SAME AS -D IN-PROCESS 8, UNLESS OTHERWISE STATED)  
 (SEE NOTE 8)

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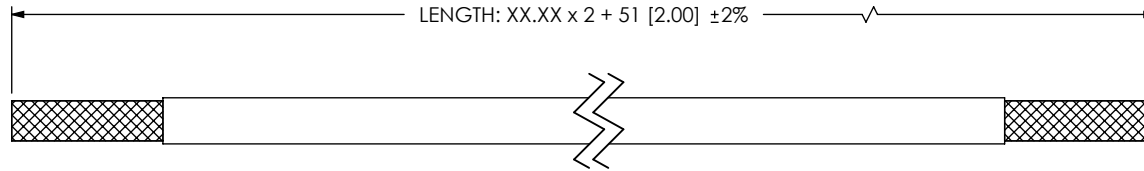


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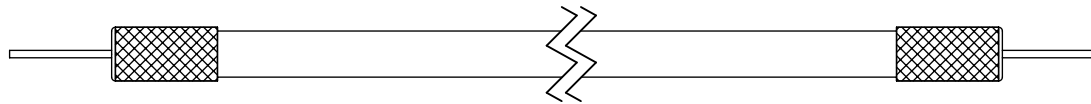
DESCRIPTION:  
 SEALED CIRCULAR CABLE PLUG, ETHERNET

DWG. NO. **SCPE-X-XX.XX-XX-X-XX**

BY: CHAD F 12/11/2004 SHEET 8 OF 11



-BC IN-PROCESS 1  
 (CUT CABLE TO LENGTH AND STRIP OUTER JACKET)  
 (SAME AS -D IN-PROCESS 1, UNLESS OTHERWISE STATED)

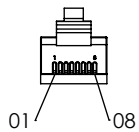


-BC IN-PROCESS 2  
 (FOLD SHIELD BACK OVER JACKET)  
 (SAME AS -D IN-PROCESS 2, UNLESS OTHERWISE STATED)



END 1

END 2



-BC: BLUNT CUT  
 IN-PROCESS 3  
 TERMINATE FIRST END TO CONNECTOR  
 (SAME AS -D IN-PROCESS 3, UNLESS OTHERWISE STATED)

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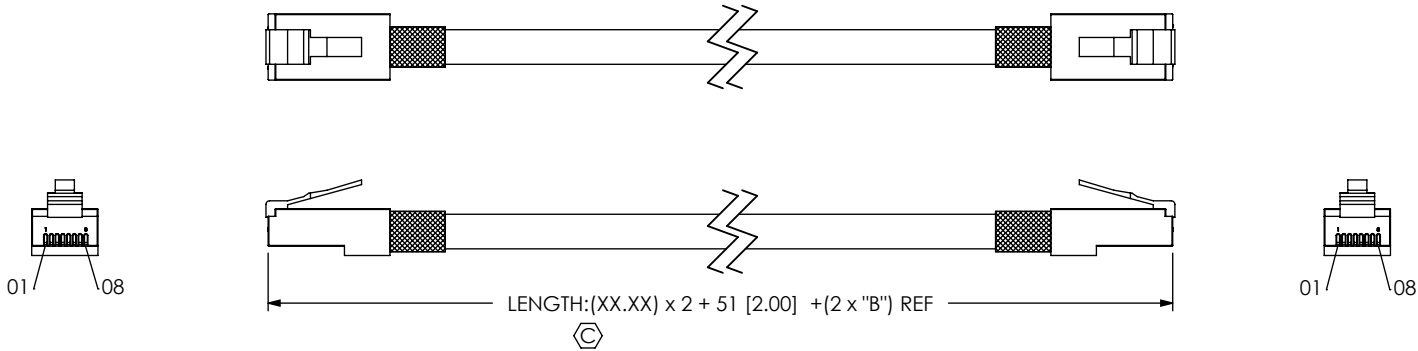
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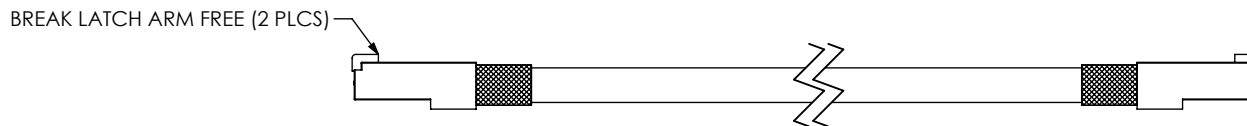
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DWG. NO. SCPE-X-XX.XX-XX-X-XX

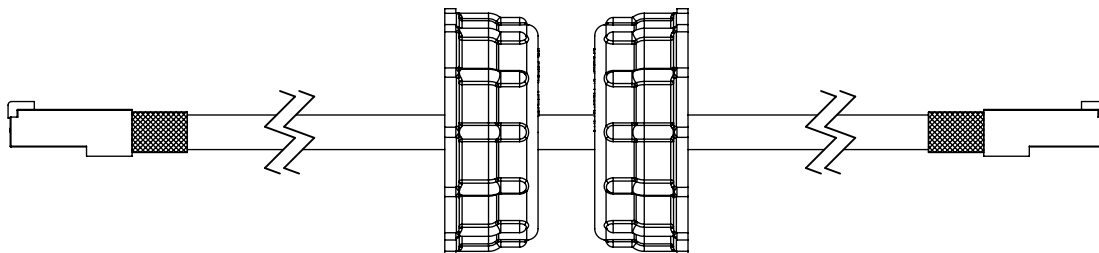
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-BC: BLUNT CUT  
IN-PROCESS 4  
 TERMINATE SECOND END TO CONNECTOR  
 (SAME AS -D IN-PROCESS 4, UNLESS OTHERWISE STATED)  
 (SEE NOTE 8)



-BC: BLUNT CUT  
IN-PROCESS 5  
 REMOVE LATCH ARMS  
 (SAME AS -D IN-PROCESS 5, UNLESS OTHERWISE STATED)



-BC: BLUNT CUT  
IN-PROCESS 6  
 ADD CABLE NUT  
 (SAME AS -D IN-PROCESS 6, UNLESS OTHERWISE STATED)

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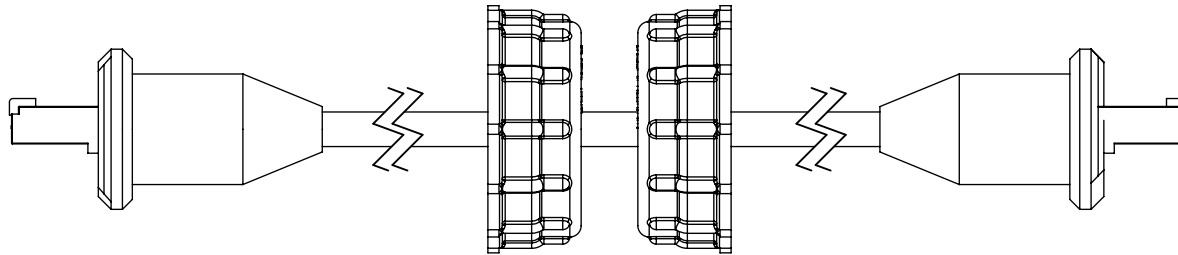


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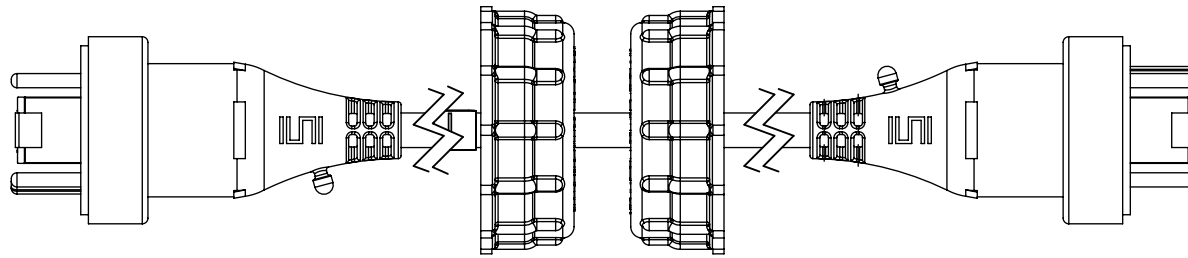
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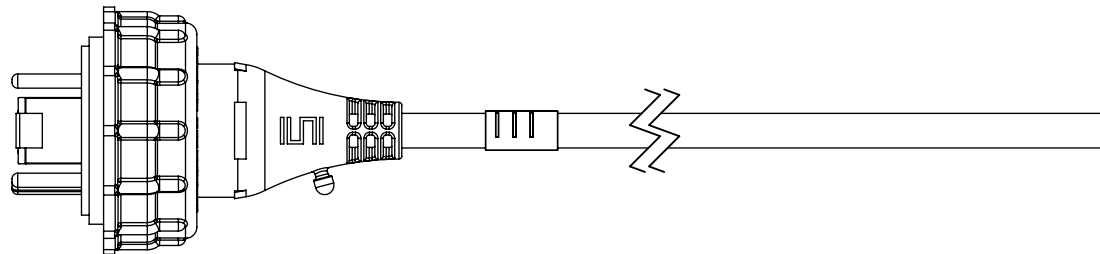
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-BC: BLUNT CUT  
IN-PROCESS 7  
 PRE-MOLDING  
 (SAME AS -D IN-PROCESS 7, UNLESS OTHERWISE STATED)



-BC: BLUNT CUT  
IN-PROCESS 8  
 OVERMOLDING  
 (SAME AS -D IN-PROCESS 8, UNLESS OTHERWISE STATED)  
 (SEE NOTE 8)



-BC: BLUNT CUT  
IN-PROCESS 9  
 (CUT CABLE IN HALF AND TRIM TO LENGTH)

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