

MAINTENANCE MANUAL
GPS SIMULCAST TX SITE CABLES

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INTRODUCTION

This manual provides drawings for intrarack and station interrack cables used at a GPS Simulcast Tx Site. Each drawing provides a wiring diagram, material list, marking instructions, R-State and other information needed for cable fabrication. Intrarack cables are cables used internal to a rack. Interrack cables are cables used between racks. Station Intrarack cables are provided in LBI-39199, Volume 2. Several cables provided here are used at the Tx Site in both Intrarack and Interrack applications. Another source of interrack cable drawings is provided in Maintenance Manual LBI-38838.

INTRARACK CABLES

Intrarack cable drawings provided in this manual are:

- 12-Inch GPS Simulcast Data Cable RPM 113 2505/1
- 24-Inch GPS Simulcast Data Cable RPM 113 2505/2
- 48-Inch GPS Simulcast Data Cable RPM 113 2505/4
- 18-Inch Simulcast Data Cable RPM 113 2516/1
- GPS Simulcast Power Cable RPM 113 2517
- Tx Site Sync Shelf Power Cable RPM 113 2518/2
- Alarm Power Supply Cable RPM 113 2821/1
- GPS Simulcast Tx Site Alarm Cable RPM 113 2821/2
- GPS Simulcast Tx Site Alarm Sel 2 Cable RPM 113 2821/4
- Station Diagnostic Cable RPM 113 2823/1
- Diagnostic RPM 113 2823/2
- Test Unit Diagnostic Cable RPM 113 2823/4
- Tx GPS RCVR Diagnostic Cable RPM 113 2823/5
- 4-Ft MUX Diagnostic Cable RPM 113 2823/12

INTERRACK CABLES

Interrack cable drawings provided in this manual are:

- ±12 Vdc & ±24 Vdc Power Cable 19B804346P172
- RF Sniffer Cable 19C852676P3
- BNC to BNC Cables 19B804122P1-P10

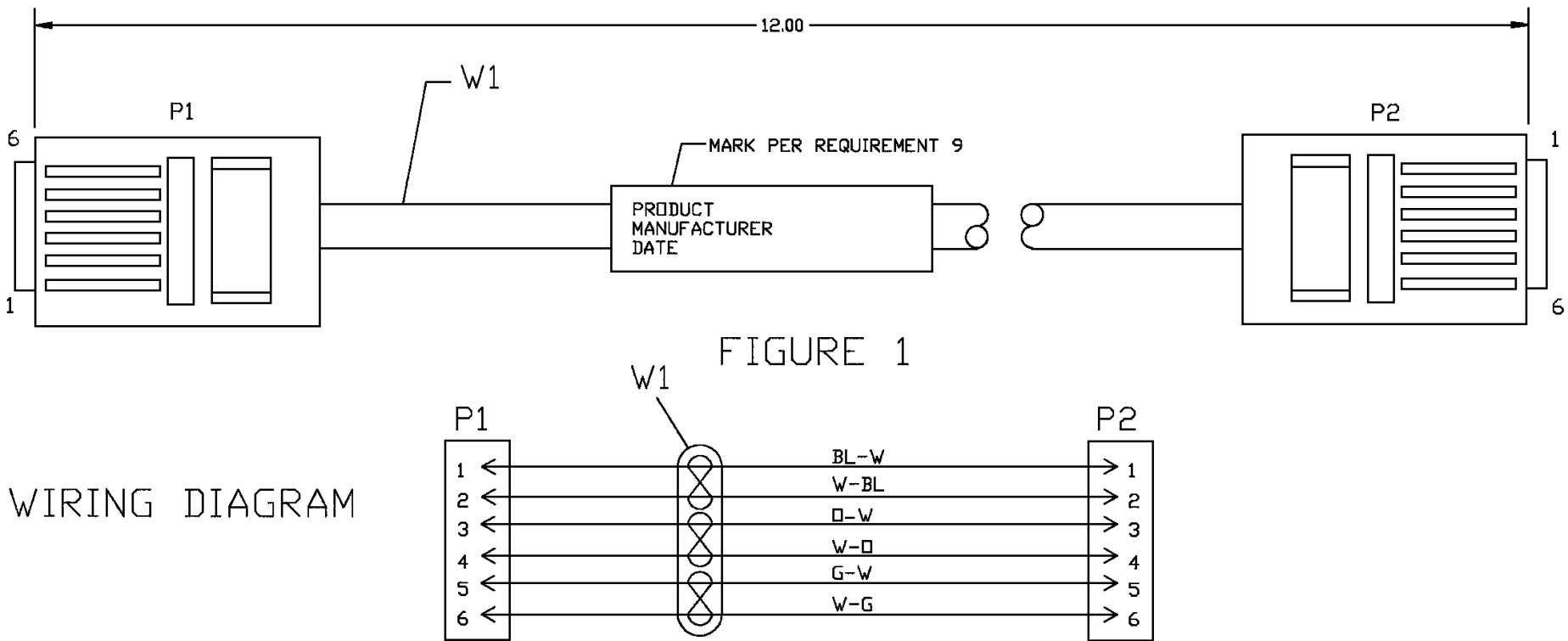
NOTE

Repairs to this equipment should be made only by an authorized service technician or facility designated by the supplier. Any repairs, alterations or substitution of recommended parts made by the user to this equipment not approved by the manufacturer could void the user's authority to operate the equipment in addition to the manufacturer's warranty.

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WIRING DIAGRAM

REQUIREMENTS < * INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT >

- 1 GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2 DESIGN

| 2.1 MATERIAL LIST | | | | |
|-------------------|--------------------------------------|------------------------------------|-------------------------|-------|
| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
| P1 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR PLUG | 1 |
| P2 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR PLUG | 1 |
| W1 | | C & M 19523 OR EQUIVALENT | #24 STRANDED WIRE | 12 IN |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS [+/-0.50

3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.

4. ENDURANCE - *

5 ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C

6. SOLDERABILITY - *

7. CLEANING LIQUID RESISTANCE - *

8. FIRE RESISTANCE - *

9. MARKING - EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION.

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING - THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION.

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

11. REFERENCES - *

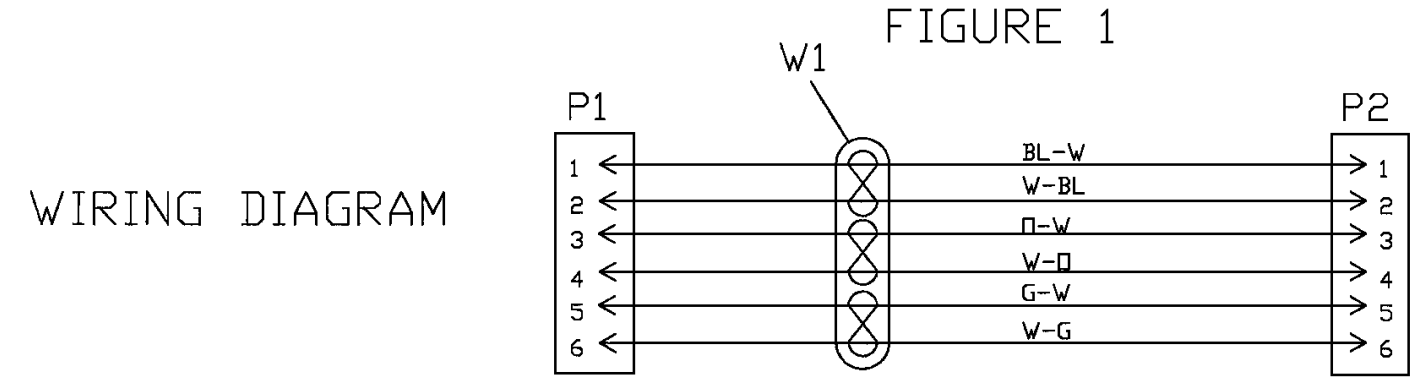
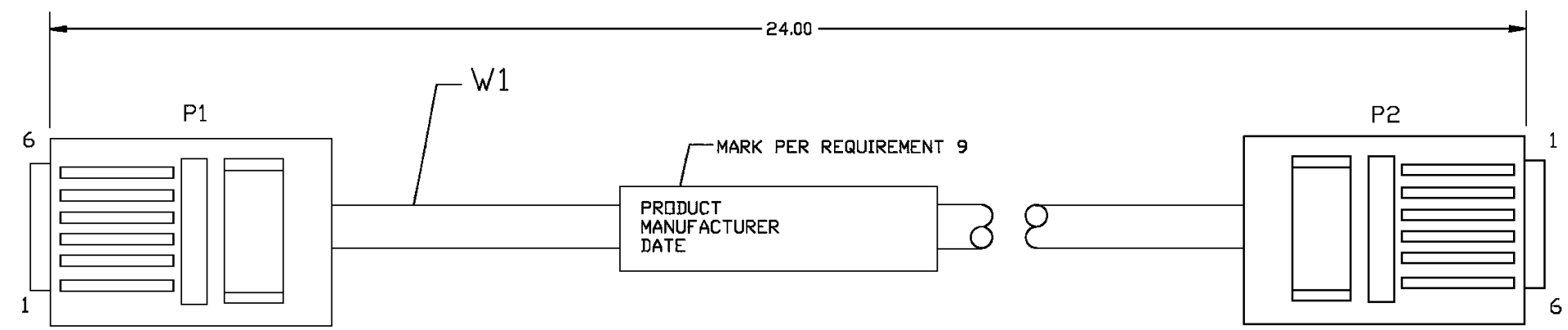
12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | | DESCRIPTION |
|--------------------------|-----|----------------------------------|
| RPM 113 2505/1 | R1A | 12 INCH GPS SIMULCAST DATA CABLE |

12-INCH GPS SIMULCAST DATA CABLE RPM 113 2505/1

(1301-RPM 113 2505/1 Uen, Rev. A)



REQUIREMENTS < "*" INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT >

- 1. GENERAL
 - 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
 - 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
 - 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
 - 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
 - 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
 - 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2. DESIGN

| 2.1 MATERIAL LIST | | | | |
|-------------------|--------------------------------------|------------------------------------|-------------------------|-------|
| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
| P1 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR PLUG | 1 |
| P2 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR PLUG | 1 |
| W1 | | C & M 19523 OR EQUIVALENT | #24 STRANDED WIRE | 24 IN |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS [+/-0.50]

3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.

4. ENDURANCE - *

5. ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C

6. SOLDERABILITY - *

7. CLEANING LIQUID RESISTANCE - *

8. FIRE RESISTANCE - *

9. MARKING - EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION.

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING - THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION.

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

11. REFERENCES - *

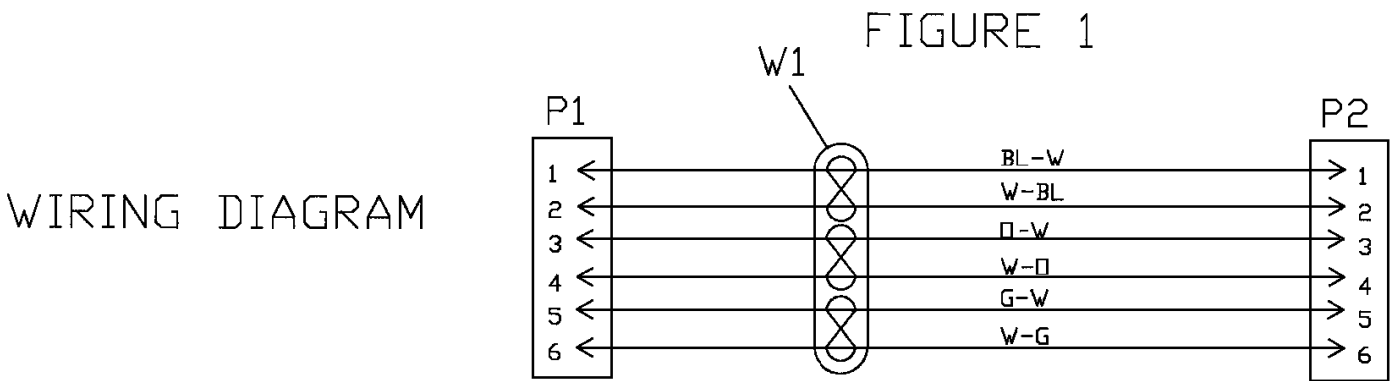
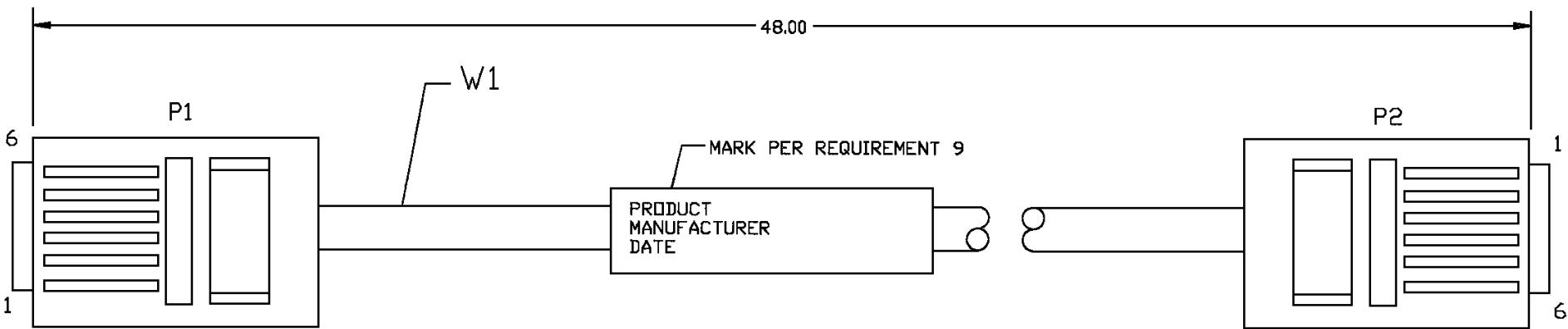
12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|----------------------------------|
| RPM 113 2505/2 R1A | 24 INCH GPS SIMULCAST DATA CABLE |

24-INCH GPS SIMULCAST DATA CABLE RPM 113 2505/2

(1301-RPM 113 2505/2 Uen, Rev. A)



REQUIREMENTS < "*" INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT >

1. GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2. DESIGN

| 2.1 MATERIAL LIST | | | | |
|-------------------|--------------------------------------|------------------------------------|-------------------------|-------|
| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
| P1 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR PLUG | 1 |
| P2 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR PLUG | 1 |
| W1 | | C & M 19523 OR EQUIVALENT | #24 STRANDED WIRE | 48 IN |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS [+/-0.50

3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.
4. ENDURANCE - *
5. ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C
6. SOLDERABILITY - *
7. CLEANING LIQUID RESISTANCE - *
8. FIRE RESISTANCE - *

9. MARKING - EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION.

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK, |
| DATE OF MANUFACTURE CODE |

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING - THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION.

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK, |
| DATE OF MANUFACTURE CODE |

11. REFERENCES - *

12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|----------------------------------|
| RPM 113 2505/4 R1A | 48 INCH GPS SIMULCAST DATA CABLE |

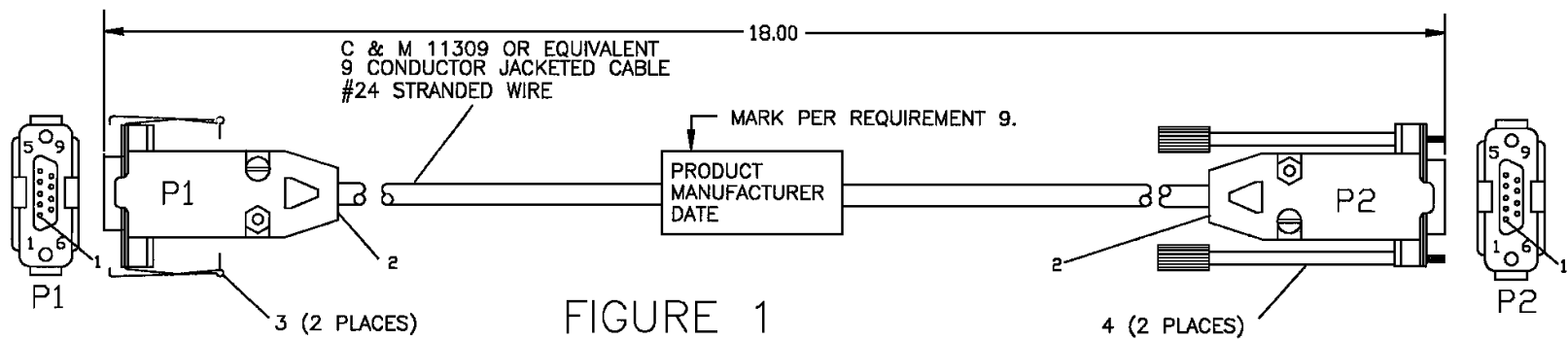
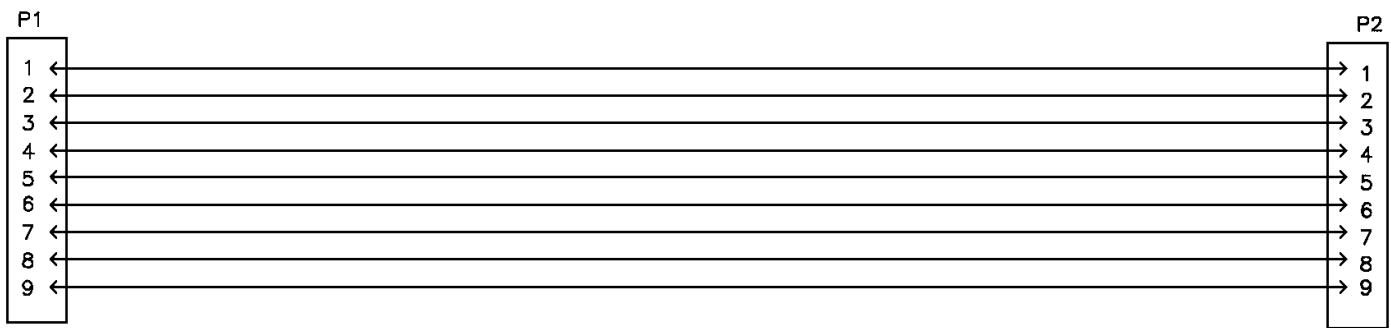


FIGURE 1



WIRING DIAGRAM

REQUIREMENTS < *#* INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT >

- 1 GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED TINNED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT.

2 DESIGN

| 2.1 MATERIAL LIST | | | | |
|-------------------|--------------------------------------|------------------------------------|---------------------|-----|
| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
| P1 | | AMP 205204-1 | CONNECTOR | 1 |
| P2 | | AMP 205204-1 | CONNECTOR | 1 |
| 1 | | AMP 1-745254-4 | CONTACT, PIN, CHAIN | 18 |
| 2 | | AMP 748677-1 | HOUSING | 2 |
| 3 | | AMP 745255-2 | SPRING LATCH KIT | 1 |
| 4 | | AMP 747784-3 | 4-40 JACKSCREW KIT | 1 |

- 2.2 PROTECTION - ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS +/-0.50

- 3. LIMITING VALUES - RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.
- 4. ENDURANCE - *
- 5. ENVIRONMENTAL RESISTANCE - OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C
- 6. SOLDERABILITY - *
- 7. CLEANING LIQUID RESISTANCE - *
- 8. FIRE RESISTANCE - *

9. MARKING - EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION.

PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST)
MANUFACTURERS NAME OR TRADEMARK.
DATE OF MANUFACTURE CODE

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING - THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION.

PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST)
MANUFACTURERS NAME OR TRADEMARK.
DATE OF MANUFACTURE CODE

11. REFERENCES - *

12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|--|
| RPM 113 2516/1 R1A | CABLE, DATA, SIMULCAST, 18 INCH LENGTH |

18-INCH SIMULCAST DATA CABLE RPM 113 2516/1

(1301-RPM 113 2516/1 Uen, Rev. A)

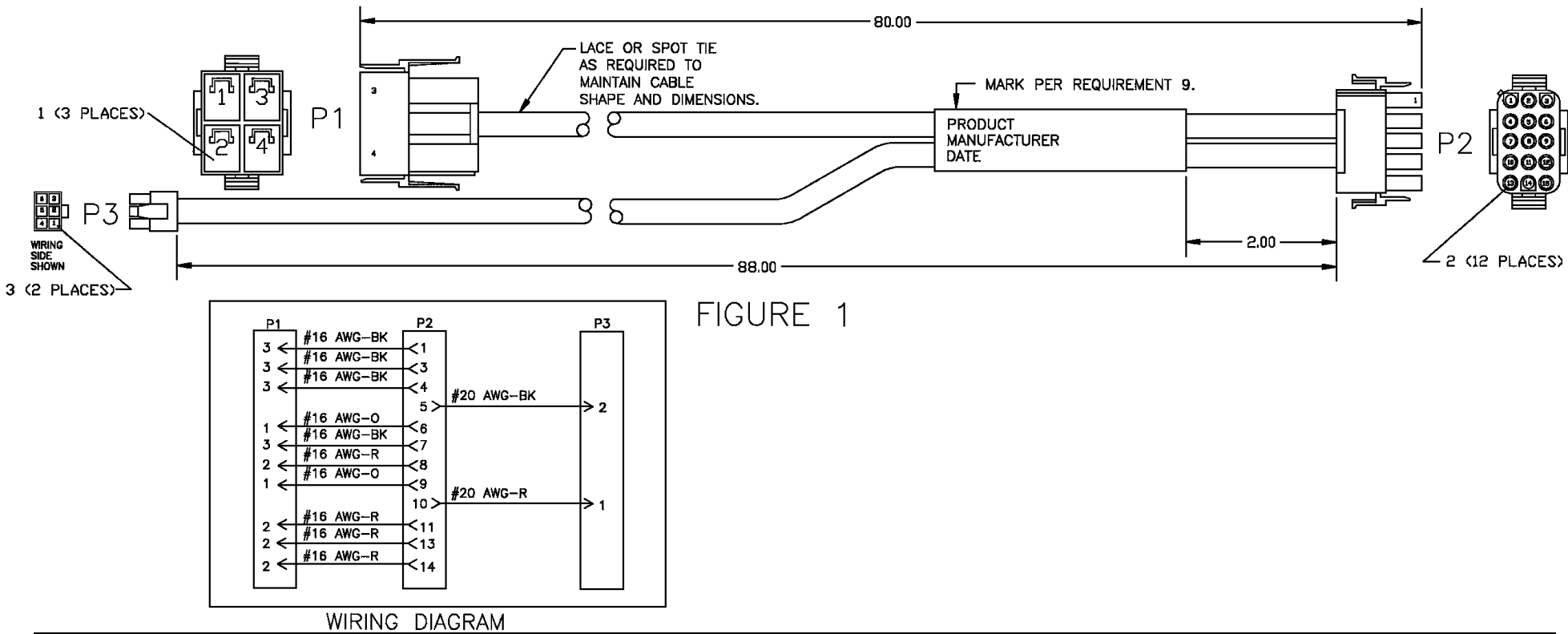


FIGURE 1

REQUIREMENTS < *# INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT >

- GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED TINNED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT.

2 DESIGN

| MATERIAL LIST | | | | |
|---------------|--------------------------------------|------------------------------------|----------------------------|-----|
| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
| P1 | | AMP 843287-1 | 4 CIRCUIT HIGH CURRENT CAP | 1 |
| P2 | | AMP 350736-1 | 15 CIRCUIT HOUSING | 1 |
| P3 | | AMP 172168-1 | 8 CIRCUIT HOUSING | 1 |
| 1 | | AMP 350650-1 | HERMAPHRODITE CONTACT | 3 |
| 2 | | AMP 350536-3 | SOCKET CONTACT | 12 |
| 3 | | AMP 170384-3 | PIN CONTACT | 2 |

- 2.2 PROTECTION - ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE FOR ALL DIMENSIONS IS ± 0.50

3. LIMITING VALUES - RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.

4. ENDURANCE - *

5 ENVIRONMENTAL RESISTANCE - OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C

6. SOLDERABILITY - *

7. CLEANING LIQUID RESISTANCE - *

8. FIRE RESISTANCE - *

9. MARKING - EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION.

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING - THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION.

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

11. REFERENCES - *

12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|------------------------------|
| RPM 113 2518/2 R1A | CABLE, POWER, SYNC SHELF, TX |

TX SITE SYNC SHELF POWER CABLE RPM 113 2518/2

(1301-RPM 113 2518/2 Uen, Rev. A)

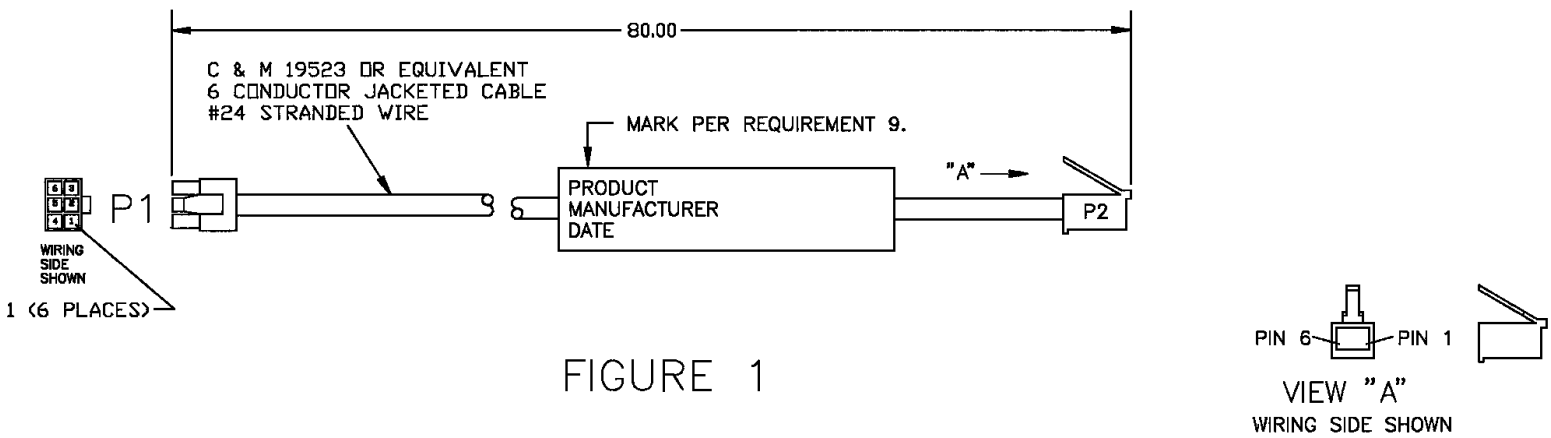
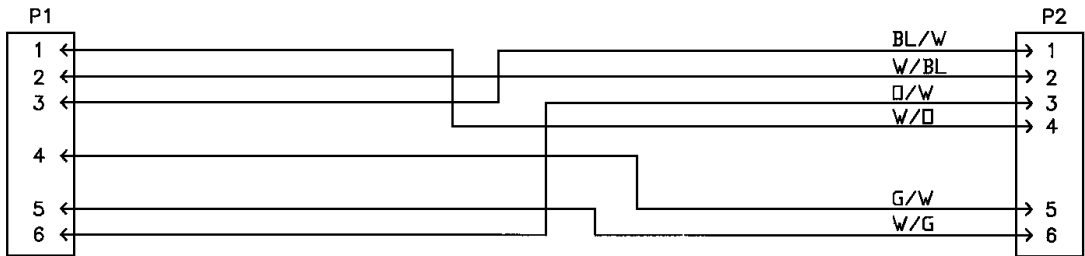


FIGURE 1



WIRING DIAGRAM

REQUIREMENTS (* indicates requirement not applicable to this product)

1. GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2. DESIGN

| 2.1 MATERIAL LIST | | | | |
|-------------------|--------------------------------------|------------------------------------|------------------------------|-----|
| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
| P1 | | AMP 172168-1 | 6 CIRCUIT HOUSING | 1 |
| P2 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR CONNECTOR | 1 |
| 1 | | AMP 170364-3 | PIN CONTACT | 6 |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS (+/-)0.50

3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.

4. ENDURANCE - *

5. ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C

6. SOLDERABILITY - *

7. CLEANING LIQUID RESISTANCE - *

8. FIRE RESISTANCE - *

9. MARKING: EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING: THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION:

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

11. REFERENCES - *

12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|----------------------------|
| RPM 113 2821/1 R1A | CABLE, ALARM, POWER SUPPLY |

ALARM POWER SUPPLY CABLE RPM 113 2821/1

(1301-RPM 113 2821/1 Uen, Rev. A)

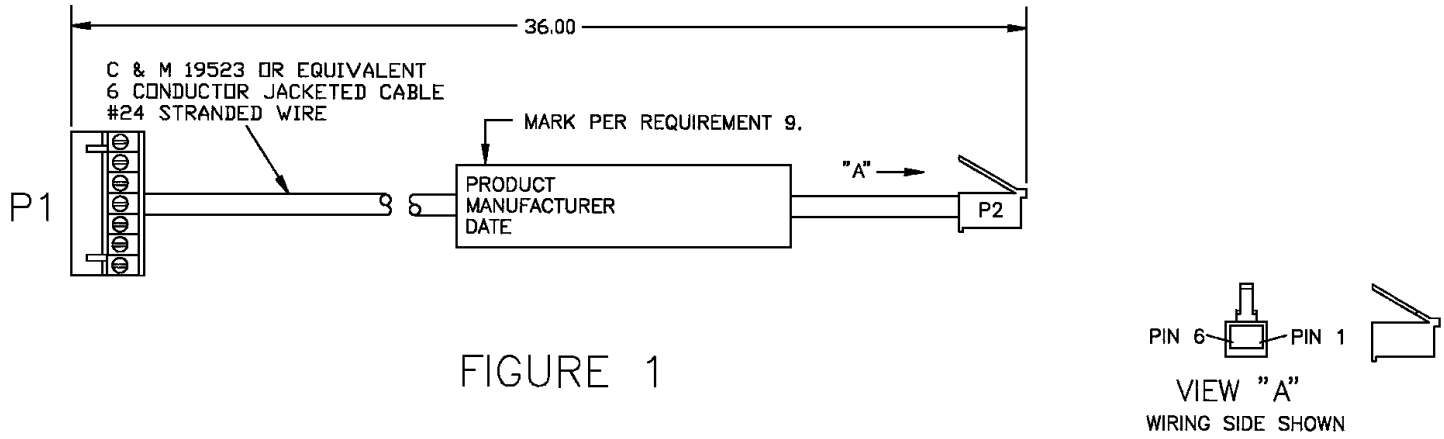
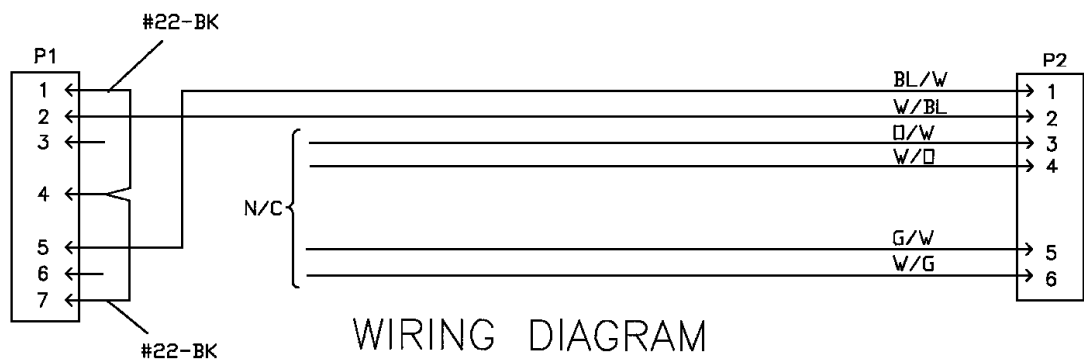


FIGURE 1



REQUIREMENTS < "*" INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT >

1. GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2. DESIGN

| 2.1 MATERIAL LIST | | | | |
|-------------------|--------------------------------------|------------------------------------|------------------------------|-----|
| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
| P1 | | WIELAND 8113B/7 | 7 CIRCUIT CONNECTOR | 1 |
| P2 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR CONNECTOR | 1 |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS [+/-0.50]

3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.

4. ENDURANCE - *

5. ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C

6. SOLDERABILITY - *

7. CLEANING LIQUID RESISTANCE - *

8. FIRE RESISTANCE - *

9. MARKING: EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING: THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION:

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

11. REFERENCES - *

12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|----------------------|
| RPM 113 2821/2 R1A | CABLE, ALARM, GPS TX |

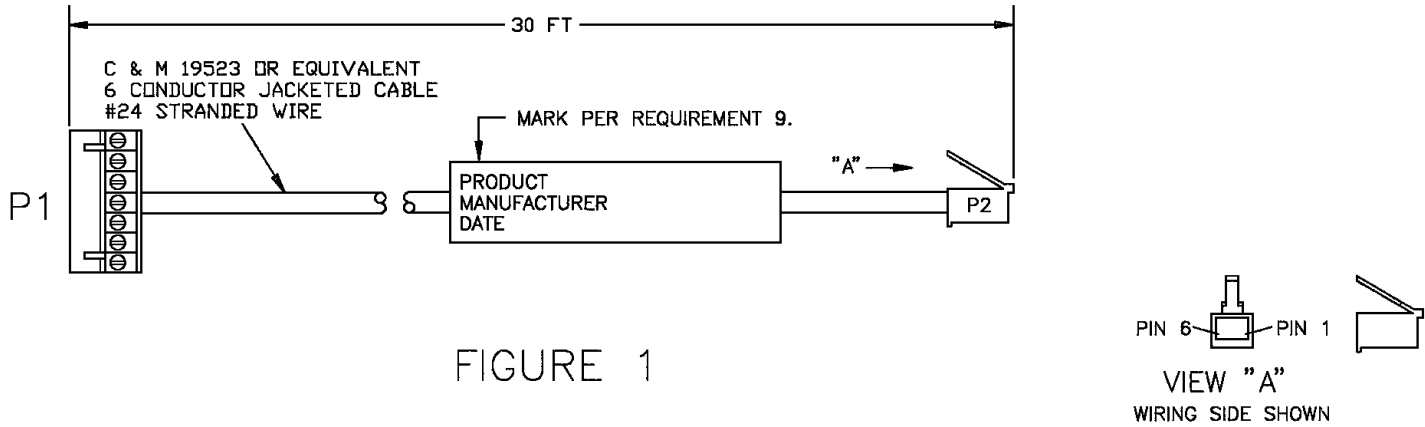
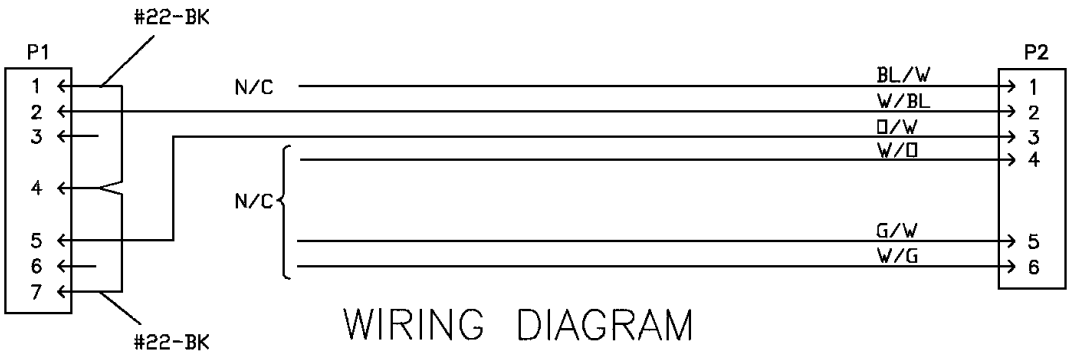


FIGURE 1



REQUIREMENTS (* INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT)

1. GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2. DESIGN

| MATERIAL LIST | | | | |
|---------------|--------------------------------------|------------------------------------|------------------------------|-----|
| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
| P1 | | WIELAND 8113B/7 | 7 CIRCUIT CONNECTOR | 1 |
| P2 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR CONNECTOR | 1 |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS (+/-)0.50

3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.
4. ENDURANCE - *
5. ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C
6. SOLDERABILITY - *
7. CLEANING LIQUID RESISTANCE - *
8. FIRE RESISTANCE - *

9. MARKING: EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING: THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION:

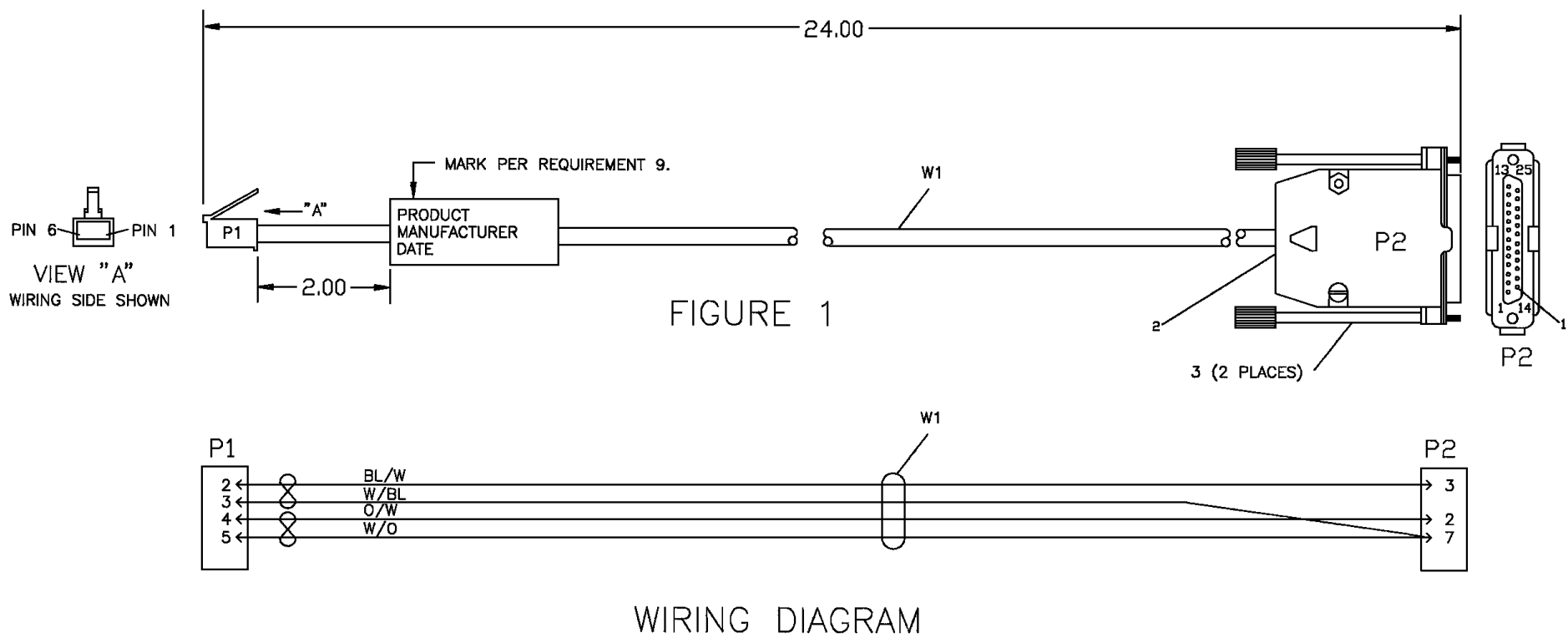
| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

11. REFERENCES - *

12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|-----------------------------|
| RPM 113 2821/4 R1A | CABLE, ALARM, GPS TX, SEL 2 |



REQUIREMENTS (* INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT)

1. GENERAL
 - 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
 - 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
 - 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
 - 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
 - 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
 - 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2. DESIGN

2.1 MATERIAL LIST

| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
|------|--------------------------------------|------------------------------------|--|-------|
| P1 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR CONNECTOR | 1 |
| P2 | | AMP 205208-1 | 25 POSITION D-SUB CONNECTOR | 1 |
| W1 | | C & M 19523 | 3 PAIR JACKETED CABLE #24 STRANDED WIRE | 24 IN |
| 1 | | AMP 1-745254-4 | PIN CONTACT | 3 |
| 2 | | AMP 748677-3 | 25 POSITION D-SUB HOUSING | 1 |
| 3 | | AMP 747784-3 | 4-40 JACKSCREW KIT | 1 |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS ± 0.50

3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.

4. ENDURANCE - *

5. ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C

6. SOLDERABILITY - *

7. CLEANING LIQUID RESISTANCE - *

8. FIRE RESISTANCE - *

9. MARKING: EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION

PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST)
MANUFACTURERS NAME OR TRADEMARK.
DATE OF MANUFACTURE CODE

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING: THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION:

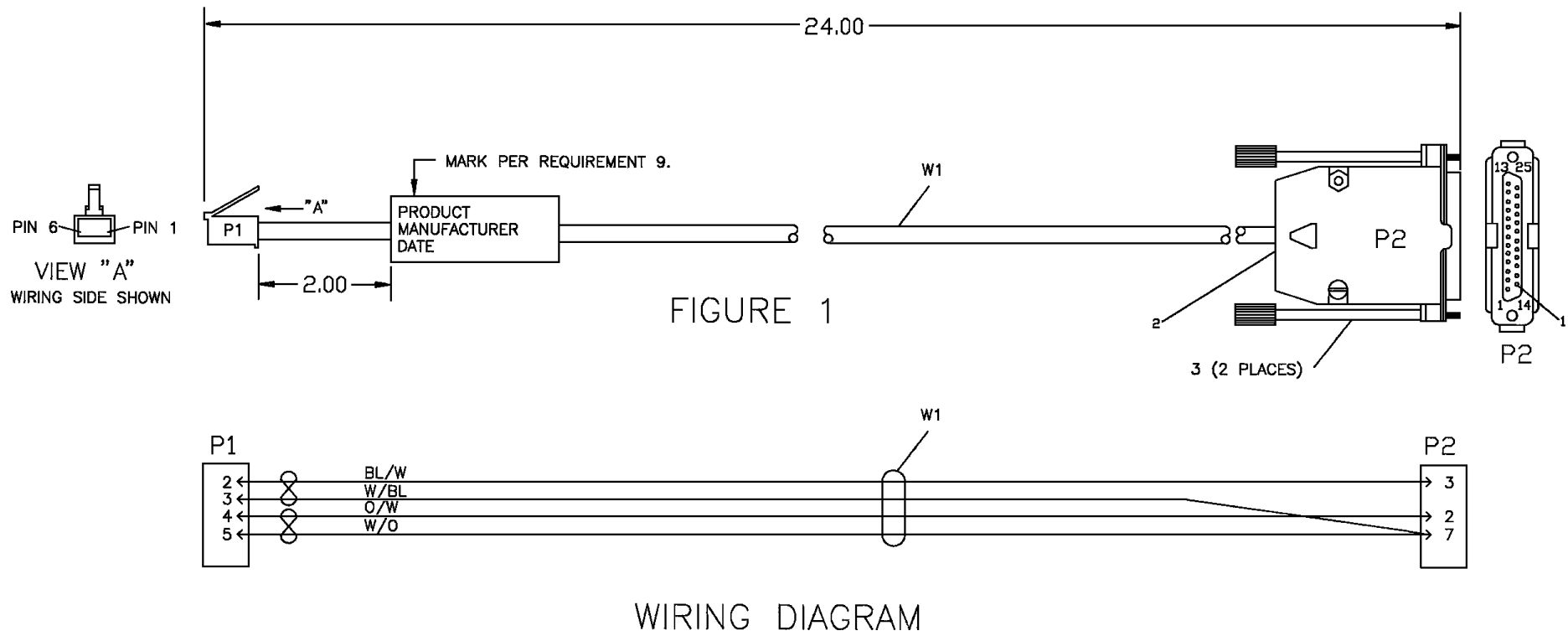
PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST)
MANUFACTURERS NAME OR TRADEMARK.
DATE OF MANUFACTURE CODE

11. REFERENCES - *

12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|----------------------------|
| RPM 113 2823/1 R1A | CABLE, DIAGNOSTIC, MUX, TX |



REQUIREMENTS (*#* INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT)

- 1 GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2 DESIGN

| 2.1 MATERIAL LIST | | | | |
|-------------------|--------------------------------------|------------------------------------|--|-------|
| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
| P1 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR CONNECTOR | 1 |
| P2 | | AMP 205208-1 | 25 POSITION D-SUB CONNECTOR | 1 |
| W1 | | C & M 19523 | 3 PAIR JACKETED CABLE #24 STRANDED WIRE | 24 IN |
| 1 | | AMP 1-745254-4 | PIN CONTACT | 3 |
| 2 | | AMP 748677-3 | 25 POSITION D-SUB HOUSING | 1 |
| 3 | | AMP 747784-3 | 4-40 JACKSCREW KIT | 1 |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS [+/-0.50

3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.
4. ENDURANCE - *
5. ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C
6. SOLDERABILITY - *
7. CLEANING LIQUID RESISTANCE - *
8. FIRE RESISTANCE - *

9. MARKING: EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING: THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION:

| |
|---|
| PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST) |
| MANUFACTURERS NAME OR TRADEMARK. |
| DATE OF MANUFACTURE CODE |

11. REFERENCES - *

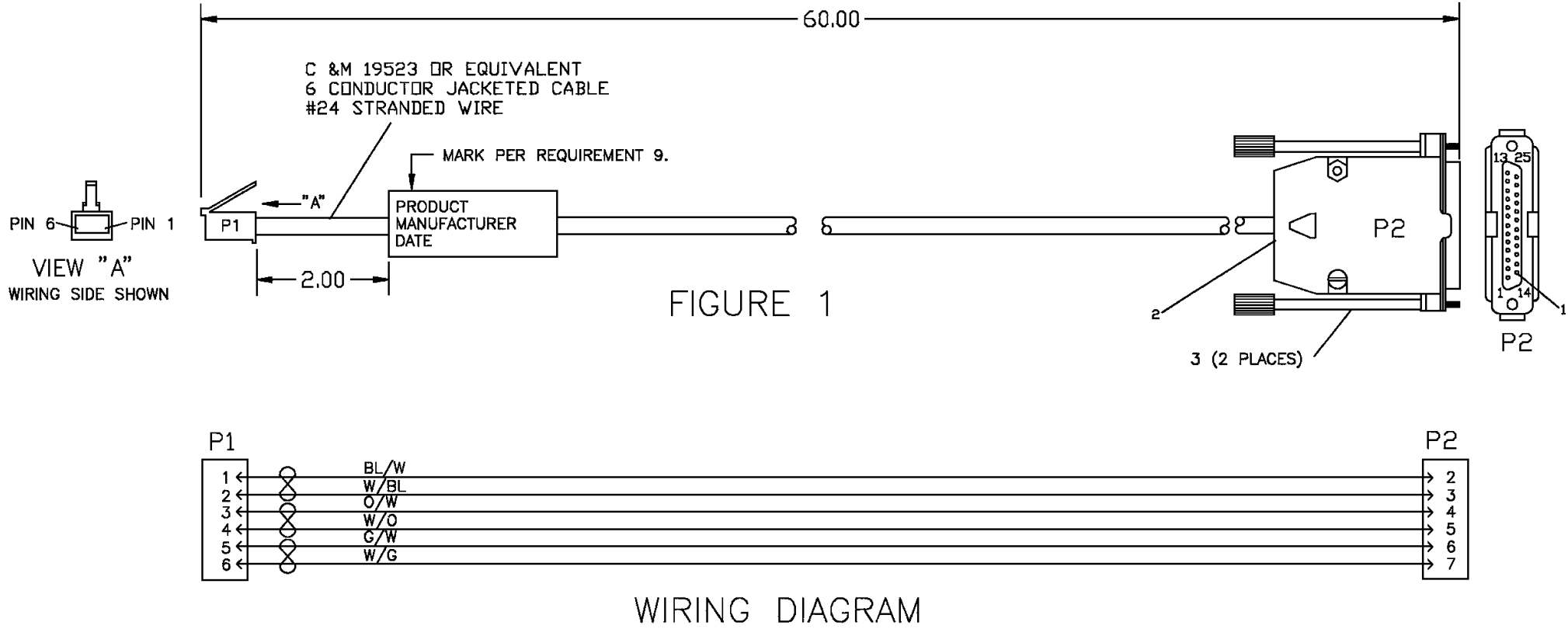
12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|----------------------------|
| RPM 113 2823/2 R1A | CABLE, DIAGNOSTIC, MUX, TX |

DIAGNOSTIC CABLE RPM 113 2823/2

(1301-RPM 113 2823/2 Uen, Rev. A)



REQUIREMENTS (*#* INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT)

- 1. GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2 DESIGN

| 2.1 MATERIAL LIST | | | | |
|-------------------|--------------------------------------|------------------------------------|------------------------------|-----|
| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
| P1 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR CONNECTOR | 1 |
| P2 | | AMP 205208-1 | 25 POSITION D-SUB CONNECTOR | 1 |
| 1 | | AMP 1-745254-4 | PIN CONTACT | 6 |
| 2 | | AMP 748677-3 | 25 POSITION D-SUB HOUSING | 1 |
| 3 | | AMP 747784-3 | 4-40 JACKSCREW KIT | 1 |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS ± 0.50

- 3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.
- 4. ENDURANCE - *
- 5. ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C
- 6. SOLDERABILITY - *
- 7. CLEANING LIQUID RESISTANCE - *
- 8. FIRE RESISTANCE - *

9. MARKING: EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION

PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST)
MANUFACTURERS NAME OR TRADEMARK.
DATE OF MANUFACTURE CODE

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING: THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION:

PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST)
MANUFACTURERS NAME OR TRADEMARK.
DATE OF MANUFACTURE CODE

11. REFERENCES - *

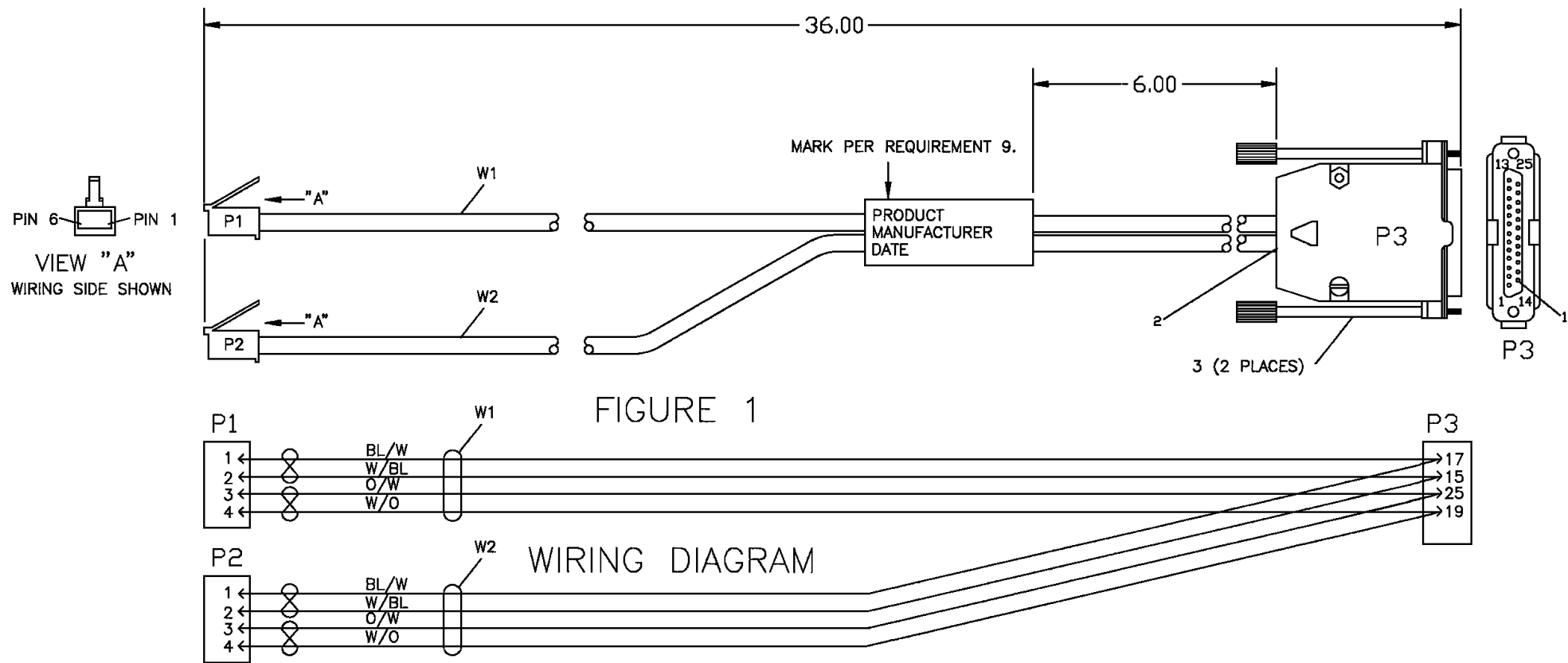
12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|------------------------------|
| RPM 113 2823/4 R1A | CABLE, DIAGNOSTIC, TEST UNIT |

TEST UNIT DIAGNOSTIC CABLE RPM 113 2823/4

(1301-RPM 113 2823/4 Uen, Rev. A)



REQUIREMENTS < *# INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT >

1. GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2. DESIGN

2.1 MATERIAL LIST

| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
|------|--------------------------------------|------------------------------------|--|-------|
| P1 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR CONNECTOR | 1 |
| P2 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR CONNECTOR | 1 |
| P3 | | AMP 205208-1 | 25 POSITION D-SUB CONNECTOR | 1 |
| W1 | | C & M 19523 | 3 PAIR JACKETED CABLE #24 STRANDED WIRE | 36 IN |
| W2 | | C & M 19523 | 3 PAIR JACKETED CABLE #24 STRANDED WIRE | 36 IN |
| 1 | | AMP 1-745254-4 | PIN CONTACT | 4 |
| 2 | | AMP 748677-3 | 25 POSITION D-SUB HOUSING | 1 |
| 3 | | AMP 747784-3 | 4-40 JACKSCREW KIT | 1 |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE: FOR ALL DIMENSIONS IS [+/-0.50

3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.

4. ENDURANCE - *

5. ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C

6. SOLDERABILITY - *

7. CLEANING LIQUID RESISTANCE - *

8. FIRE RESISTANCE - *

9. MARKING: EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION

PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST)
MANUFACTURERS NAME OR TRADEMARK.
DATE OF MANUFACTURE CODE

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING: THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION:

PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST)
MANUFACTURERS NAME OR TRADEMARK.
DATE OF MANUFACTURE CODE

11. REFERENCES - *

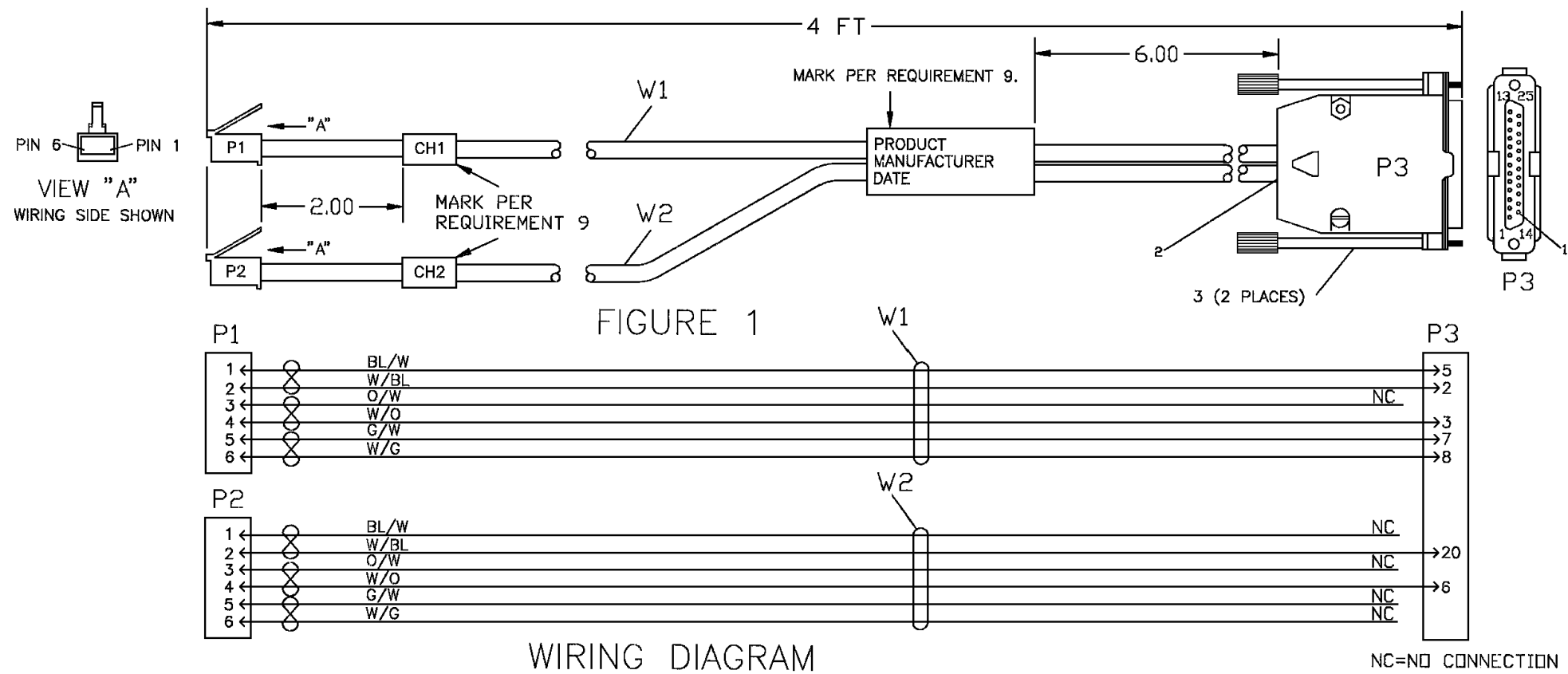
12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|---------------------------------|
| RPM 113 2823/5 R1A | CABLE, DIAGNOSTIC, GPS RCVR, TX |

TX SITE GPS RCVR DIAGNOSTIC CABLE RPM 113 2823/5

(1301-RPM 113 2823/5 Uen, Rev. A)



REQUIREMENTS < "*" INDICATES REQUIREMENT NOT APPLICABLE TO THIS PRODUCT >

1. GENERAL
- 1.1 CABLE ASSEMBLY SHALL BE CONSTRUCTED AS SHOWN IN FIGURE 1.
- 1.2 LACE OR SPOT TIE AS REQUIRED TO MAINTAIN CABLE SHAPE AND DIMENSIONS.
- 1.3 ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE SPECIFIED.
- 1.4 WIRE GAUGE AND COLOR SHALL BE AS SPECIFIED IN WIRING DIAGRAM OR CONNECTION LIST.
- 1.5 WIRING SHALL BE PER WIRING DIAGRAM OR CONNECTION LIST AND 100% INSPECTED.
- 1.6 ALL WIRE TERMINATIONS SHALL PROVIDE INSULATION SUPPORT

2 DESIGN

2.1 MATERIAL LIST

| ITEM | ERICSSON PART NO. (FOR REF. ONLY) | VENDOR PART NO. (OR EQUIVALENT) | DESCRIPTION | QTY |
|------|--------------------------------------|------------------------------------|------------------------------|------|
| P1 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR CONNECTOR | 1 |
| P2 | | STEWART 937-SP-3066R-SL | 6 POSITION MODULAR CONNECTOR | 1 |
| P3 | | AMP 205208-1 | 25 POSITION D-SUB CONNECTOR | 1 |
| W1 | | C & M 19523 | 6 COND #24 STRANDED JACKETED | 4 FT |
| W2 | | C & M 19523 | 6 COND #24 STRANDED JACKETED | 4 FT |
| 1 | | AMP 1-745254-4 | PIN CONTACT | 7 |
| 2 | | AMP 740677-3 | 25 POSITION D-SUB HOUSING | 1 |
| 3 | | AMP 747784-3 | 4-40 JACKSCREW KIT | 1 |

- 2.2 PROTECTION: ASSEMBLED COMPONENTS SHALL MAINTAIN COMPONENT MANUFACTURERS SPECIFICATIONS.
- 2.3 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES.
- 2.4 UNLESS OTHERWISE SPECIFIED, TOLERANCE FOR ALL DIMENSIONS IS ± 0.050

3. LIMITING VALUES: RATED VOLTAGE FOR CABLE ASSEMBLY = 600 VAC MIN.

4. ENDURANCE - *

5. ENVIRONMENTAL RESISTANCE: OPERATING TEMPERATURE RANGE -20 TO +75 DEG. C
MAX CONTINUOUS TEMPERATURE +75 DEG. C

6. SOLDERABILITY - *

7. CLEANING LIQUID RESISTANCE - *

8. FIRE RESISTANCE - *

9. MARKING: EACH ASSEMBLY SHALL BE MARKED WITH THE FOLLOWING INFORMATION

PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST)
MANUFACTURERS NAME OR TRADEMARK,
DATE OF MANUFACTURE CODE

CH1 CH2

THE MARKING SHALL BE RESISTANT TO MECHANICAL WEARING THAT CAN ARISE AT NORMAL HANDLING, STORAGE AND OPERATION.

10. PACKING: THE PACKAGE SHALL BE MARKED WITH THE FOLLOWING INFORMATION:

PRODUCT NUMBER & R-STATE - (SEE 13. PRODUCT LIST)
MANUFACTURERS NAME OR TRADEMARK,
DATE OF MANUFACTURE CODE

11. REFERENCES - *

12. INTERNAL INFORMATION - *

13. PRODUCT LIST

| PRODUCT NUMBER & R-STATE | DESCRIPTION |
|--------------------------|------------------------------|
| RPM 113 2823/12 R1A | CABLE, DIAGNOSTIC, MUX, 4 FT |

4-FT MUX DIAGNOSTIC CABLE RPM 113 2823/12

(1301-RPM 113 2823/12 Uen, Rev. A)

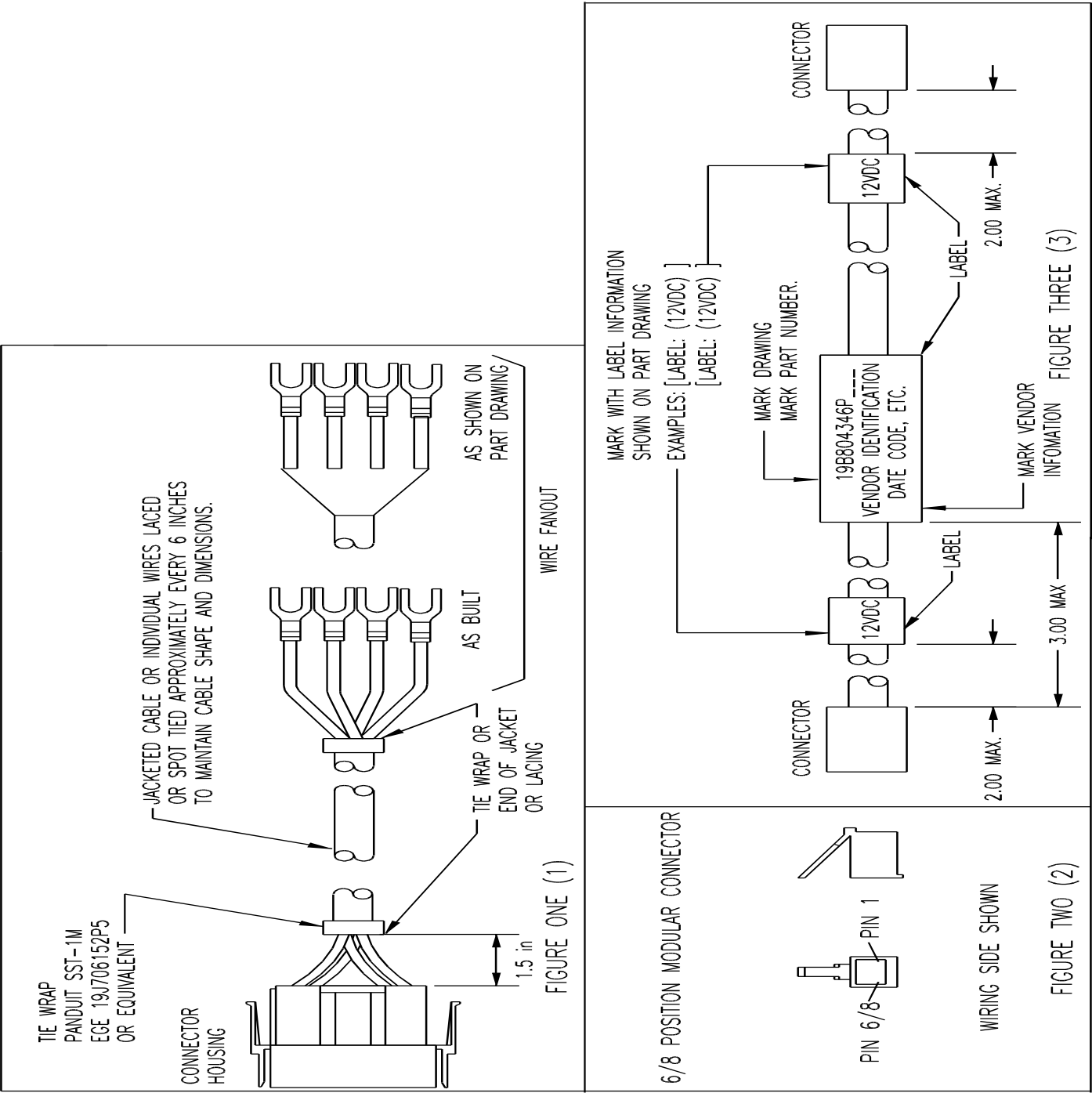
| PART | END TYPE | APPLICATION |
|--------------|---------------|--|
| 11-12 | RJ45 - RJ45 | VDRB TO DIGITAL VOTER |
| 21-22 | RJ12 - SPADE | ANALOG VOTER TO DIGITAL VOTER |
| 31-34 | RJ12 - RJ12 | SELECTED AUDIO FROM VDRB-31,33 AUDIO TO/FROM IMC-32,34 |
| 41-43, 51-56 | RJ12 - SPADE | SITE AUDIO TO ANALOG VOTER |
| 61, 71-72 | RJ12 - SPADE | E&M SQUELCH |
| 81 | 50PIN - 50PIN | DIGITAL EDACS TO DIGITAL VOTER |
| 91 | 24PIN - 24PIN | DIGITAL EDACS TO DIGITAL VOTER |
| 101 | SPADE - SPADE | ANALOG VOTER TIE CABLE |
| 111 | DB9 - RJ11 | PROGRAMMING CABLE |
| 121-122 | TERM - TERM | HIGH CURRENT INTERCABINET POWER |
| 131-134 | CAP - PLUG | 5/12V DC (PDP) TO DIGITAL VOTER |
| 141-144 | PLUG - SPADE | 24V DC (PDP) TO ANALOG VOTER |
| 151-152 | CAP - CAP | 24V DC SUPPLY TO 24V PDP |
| 161 | CONN - CONN | VDRB TO VDRB POWER |
| 171-175 | CAP - CAP | ±12V & ±24V POWER CABLE |
| 181 | CAP - PLUG | 24V DC INTERCABINET |
| 191 | PLUG - PLUG | CEC/IMC POWER CABLE |
| 201 | PLUG - PLUG-Y | POWER SUPPLY SENSE/SYNC |
| 202 | PLUG - PLUG | CEC/IMC SHELF +5VDC SENSE |
| 203 | PLUG - PLUG | CEC/IMC SHELF +5VDC SENSE |
| | | |
| | | |
| | | |

REQUIREMENTS FOR ALL CABLES

1. ALL WIRE SHALL BE STRANDED INSULATED COPPER OF THE AWG WIRE GUAGE SPECIFIED ON INDIVIDUAL PART DRAWINGS.
2. UNLESS OTHERWISE SPECIFIED MINIMUM WIRE INSULATION VOLTAGE RATING IS 600 VRMS AT 60 HZ.
3. CABLE ASSEMBLY OPERATING TEMPERATURE RANGE -20 TO +75 DEG C.
4. UNLESS OTHERWISE SPECIFIED TOLERANCE ON ALL DIMINSIONS IS ±0.50 INCH.
5. CABLE ASSEMBLY SHALL BE WIRED PER CONNECTION DIAGRAM AND 100% INSPECTED.
6. ALL CONNECTORS/CONTACTS/TERMINALS SHALL PROVIDE INSULATION SUPPORT.
7. CABLES SHALL BE ASSEMBLED SIMILER TO EXAMPLES SHOWN IN FIGURES ON FOLLOWING SHEET(S) OF THIS DRAWING.

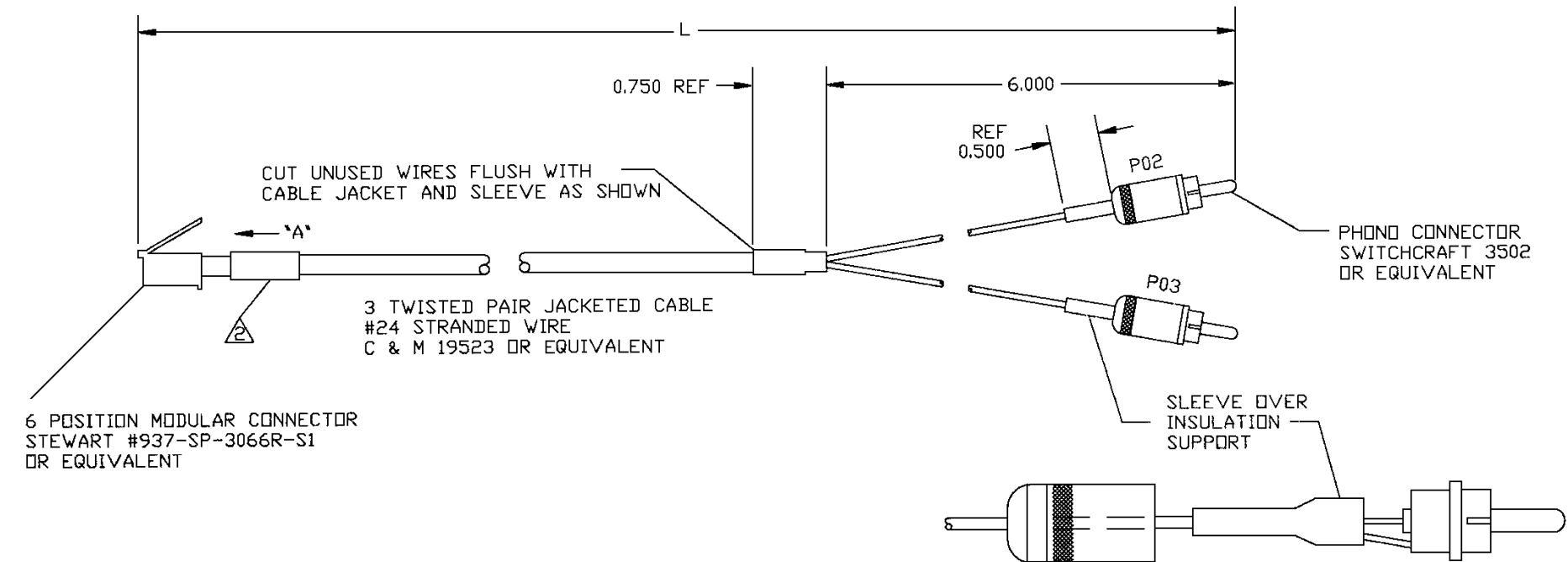
±12Vdc & ±24Vdc POWER CABLE 19B804346P172

(19B804346, Sh. 2, Rev. 3)



±12Vdc & ±24Vdc POWER CABLE 19B804346P172

(19B804346, Sh. 3, Rev. 3)

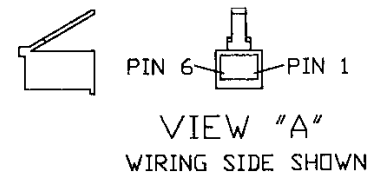


6 POSITION MODULAR CONNECTOR
STEWART #937-SP-3066R-S1
OR EQUIVALENT

3 TWISTED PAIR JACKETED CABLE
#24 STRANDED WIRE
C & M 19523 OR EQUIVALENT

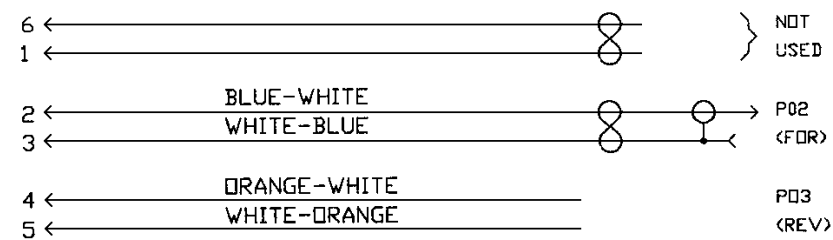
PHONE CONNECTOR
SWITCHCRAFT 3502
OR EQUIVALENT

SLEEVE OVER
INSULATION
SUPPORT



PART ① 'L' = 20 FT ± 3 INCHES
PART ② 'L' = 25 FT ± 3 INCHES
PART ③ 'L' = 30 FT ± 3 INCHES

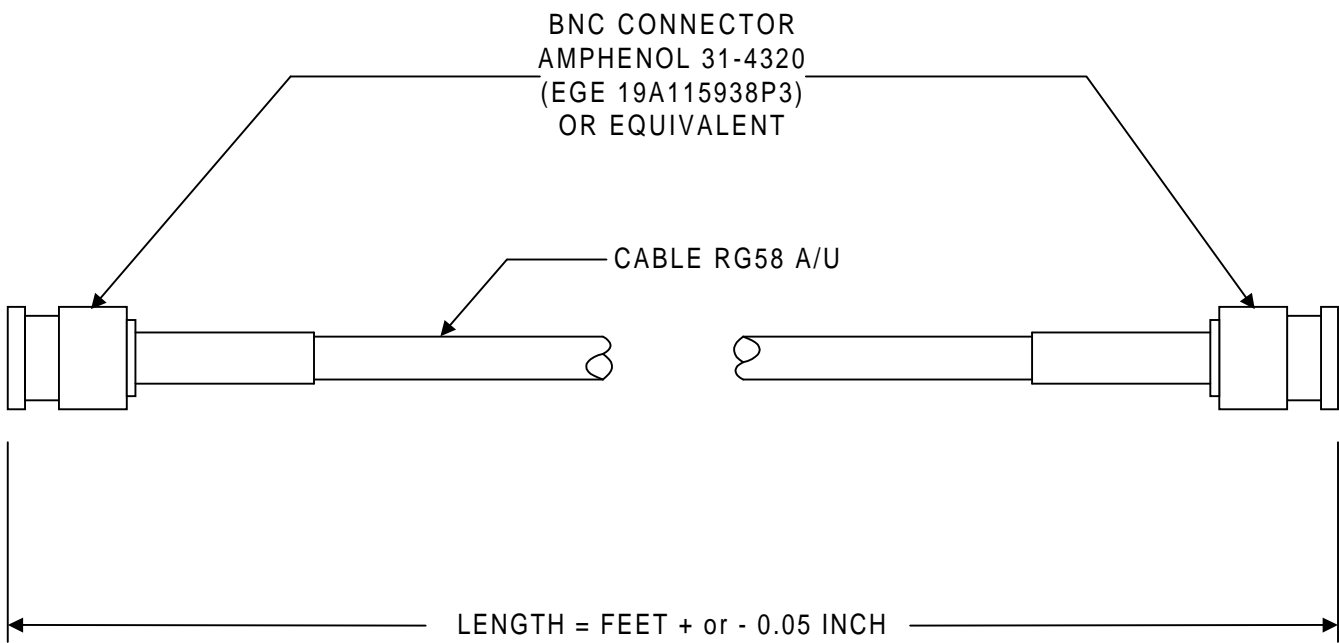
REQUIREMENTS FOR ALL PARTS



1. ALL CONNECTORS SHALL PROVIDE INSULATION SUPPORT
2. CABLE SHALL BE MARKED WITH EGE DRAWING AND PART NUMBER (EXAMPLE - 19C852676P__)
3. CABLE ASSEMBLY OPERATING TEMPERATURE RANGE -20 TO +80 DEG C.
4. CABLE ASSEMBLY SHALL BE WIRED PER SCHEMATIC DIAGRAM AND 100% INSPECTED

RF SNIFFER CABLE 19C852676P3

(19C852676, Rev. 1)



| Part | Length |
|------|--------|
| 1 | 2 |
| 2 | 4 |
| 3 | 6 |
| 4 | 8 |
| 5 | 10 |
| 6 | 12 |
| 7 | 14 |
| 8 | 16 |
| 9 | 18 |
| 10 | 20 |

BNC TO BNC CABLE 19B804122P1-P10

(19B804122, Sh. 1, Rev. 1A)

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