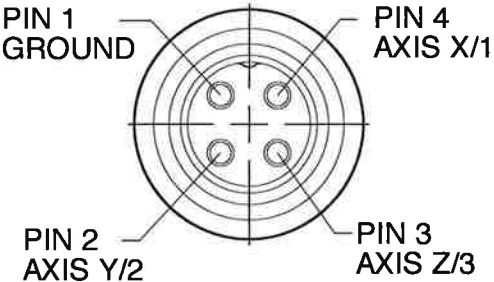
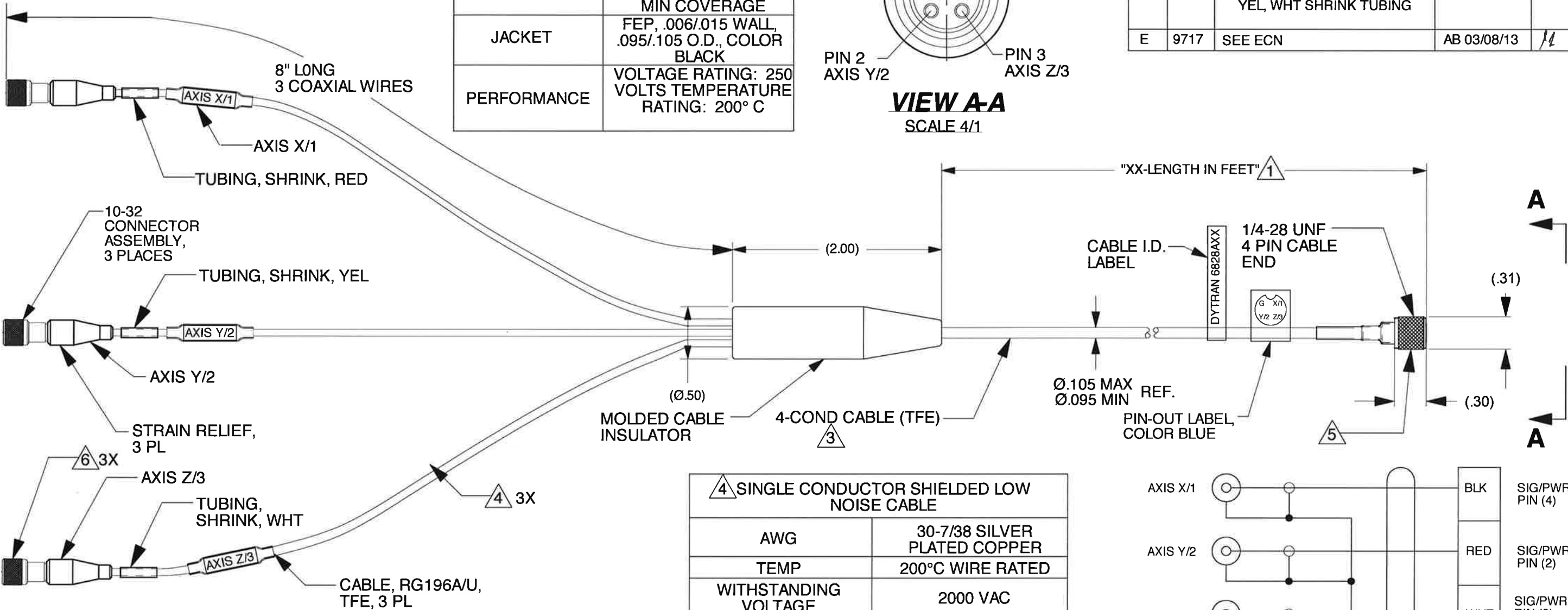


| 3 4 CONDUCTOR, CABLING PER M27500 |                                                      |
|-----------------------------------|------------------------------------------------------|
| CONDUCTORS                        | 30 AWG 7/38 SILVER PLATED COPPER                     |
| SHIELD                            | SILVER PLATED COPPER BRAID, 90% MIN COVERAGE         |
| JACKET                            | FEP, .006/.015 WALL, .095/.105 O.D., COLOR BLACK     |
| PERFORMANCE                       | VOLTAGE RATING: 250 VOLTS TEMPERATURE RATING: 200° C |

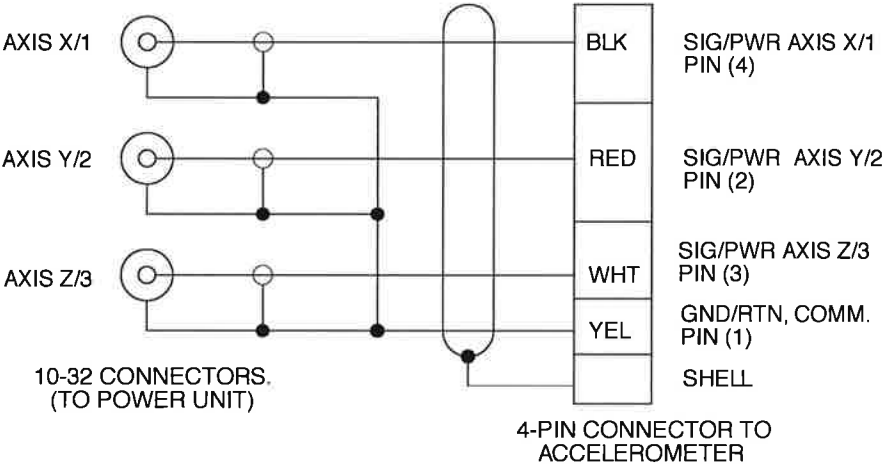


VIEW A-A  
SCALE 4/1

| REV | ECN  | DESCRIPTION                                                                                                                    | BY/DATE     | CHK | APPR |
|-----|------|--------------------------------------------------------------------------------------------------------------------------------|-------------|-----|------|
| C   | 6162 | SEE ECN                                                                                                                        | RLA 8/07/09 | EP  | DV   |
| D   | 8955 | ADDED SCHEMATIC DIAGRAM, REVISED VIEW OF 4 PIN CONNECTOR (.30) WAS: (.25) (Ø.31) WAS: (Ø.30) ADDED RED, YEL, WHT SHRINK TUBING | RLA 8/07/12 | EM  | DV   |
| E   | 9717 | SEE ECN                                                                                                                        | AB 03/08/13 | 11  | 2    |



| 4 SINGLE CONDUCTOR SHIELDED LOW NOISE CABLE |                                                                |
|---------------------------------------------|----------------------------------------------------------------|
| AWG                                         | 30-7/38 SILVER PLATED COPPER                                   |
| TEMP                                        | 200°C WIRE RATED                                               |
| WITHSTANDING VOLTAGE                        | 2000 VAC                                                       |
| CONDUCTOR INSULATION                        | EXTRUDED PTFE, NATURAL, Ø.033 ±.002                            |
| CAPACITANCE (SHIELD TO CONDUCTOR)           | 32 pF/FT                                                       |
| LOW NOISE WRAP #1 AND #2                    | CARBON TAPE                                                    |
| IMPEDANCE                                   | 50 OHMS                                                        |
| INDUCTANCE                                  | .80 microH/FT                                                  |
| SHIELD                                      | 38 AWG SILVER PLATED COPPER BRAID, 95% MIN COVERAGE, Ø.054 NOM |
| RESISTANCE                                  | .20 OHM                                                        |
| JACKET                                      | WHT PTFE WRAP .005 -.010 WALL                                  |
| DIAMETER                                    | Ø.074±.006                                                     |
| MINIMUM BEND RADIUS                         | 1 IN                                                           |



- 6 MATERIAL:  
BODY, BUSHING, CAP, COUPLING NUT: STAINLESS STEEL, PASSIVATED  
CONTACT, REAR BODY, CRIMP SLEEVE: BRASS, GOLD  
INSULATORS: TEFLON  
O-RING: VITON
- 5 MATERIAL:  
SHELL/THUMB NUT: BRASS C360, GOLD PLATED  
PLUG INSERT: TEFLON  
SOCKETS: BERYLLIUM COPPER, GOLD PLATED  
CRIMP SLEEVE: BRASS C360, GOLD PLATED
- 4 SEE CABLE SPECIFICATION TABLE.
- 3 SEE CABLE SPECIFICATION TABLE.
2. OPERATING RANGE: -67°F (-55°C) TO 230°F(110°C)
- 1 XX=WILL VARY IN FEET PER CUSTOMER REQUIREMENTS, FOR EXAMPLE: 6828A10 = 10 FT CABLE LENGTH

|                                                                                          |        |                              |               |                 |                          |
|------------------------------------------------------------------------------------------|--------|------------------------------|---------------|-----------------|--------------------------|
|                                                                                          |        | <b>MASTER ONLY IF IN RED</b> |               | CHATSWORTH, CA. |                          |
| SCALE                                                                                    | 2/1    | REV                          | -             | DATE            | SEE REV BLK              |
| DATE                                                                                     | 4/6/04 | PART NO.                     | MODEL 6828AXX |                 |                          |
| DRAWN                                                                                    | R.A.   | CHECKED                      | N.C.          | MAT'L           |                          |
| APPROVED                                                                                 | CES    | NEXT ASSEMBLY                |               | USED ON         |                          |
| TITLE <b>OUTLINE/INSTALLATION DRAWING, CABLE ASSEMBLY, MINI 4 PIN. PLUG TO (3) 10-32</b> |        |                              |               |                 | DWG NO. <b>127-6828A</b> |
|                                                                                          |        |                              |               |                 | SHEET 1 OF 1             |