



This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modification deemed appropriate.



| SHV                           | SHV8200-0059       |                                      |  |  |  |
|-------------------------------|--------------------|--------------------------------------|--|--|--|
| Interface                     |                    |                                      |  |  |  |
| MIL-STD-348B                  |                    |                                      |  |  |  |
|                               | 1                  |                                      |  |  |  |
| Electrical Data               |                    | 500                                  |  |  |  |
| Impedance<br>-                |                    | 50Ω                                  |  |  |  |
| Frequency range               |                    | DC to 300 MHz                        |  |  |  |
| Insulation resistance         |                    | $\geq$ 5000M $\Omega$                |  |  |  |
| Contact resistance inner cor  |                    | ≤2mΩ<br>≤1.5mΩ                       |  |  |  |
| Contact resistance outer con  |                    | —                                    |  |  |  |
| Dielectric withstanding volta |                    | 5000 V rms                           |  |  |  |
| Working voltage (at sea leve  | el)                | 3500 V rms                           |  |  |  |
|                               |                    |                                      |  |  |  |
|                               |                    |                                      |  |  |  |
| Mechanical Data               |                    |                                      |  |  |  |
| Recommended coupling nut      | torque             | 0.6 to 2.5 inch lbs                  |  |  |  |
| Coupling nut retention force  |                    | $\geq$ 101.2 lbs                     |  |  |  |
| Contact captivation-axial     |                    | $\ge$ 6.1 lbs                        |  |  |  |
| Durability (mating)           |                    | ≧500                                 |  |  |  |
|                               |                    |                                      |  |  |  |
| Environmental Data            |                    |                                      |  |  |  |
| Temperature range             |                    | -65°C to +165°C                      |  |  |  |
| Thermal shock                 |                    | MIL-STD-202, Method 107, Condition B |  |  |  |
| Moisture resistance           |                    | MIL-STD-202, Method 103, Condition B |  |  |  |
| Corrosion                     |                    | MIL-STD-202, Method 101, Condition B |  |  |  |
| RoHS                          |                    | Compliant                            |  |  |  |
| Tooling                       |                    |                                      |  |  |  |
| Crimping tool                 | l                  | CRT-1 or CRT-2                       |  |  |  |
| Crimp insert                  |                    | INSERT-A                             |  |  |  |
|                               |                    |                                      |  |  |  |
|                               |                    |                                      |  |  |  |
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## JYE BAO CO., LTD. CABLE ASSEMBLY INSTRUCTION

| SHV8200-0059  |  | DATE   | 2016/08/22 |      | REV    | _  |  |  |
|---|--|--|------------|------|--------|----|--|--|
| А   | В  | С  | D          | E    | F      | -  |  |  |
|   |  | []   |            | I    |        |    |  |  |
| BODY C  | CONTACT<br>PIN   | BRAID (<br>CLAMP   | GASKET     | WASH | IER N  | UT |  |  |
| DIAGRAM   | /  | ASSEMBLY INSTRUCTION   |            |      |        |    |  |  |
| δ   | 19.8<br>[.780]<br>- 4.6<br>[.181]  | Step 1: STRIP AS   | SHOWN.     |      |        |    |  |  |
|   | Step 2: SLIDE NUT " F " 、 WASHER " E " 、 GASKET " D " AND BRAID<br>CLAMP " C " OVER CABLE.   |  |            |      |        |    |  |  |
|   | Step 3: WRAP THE BRAIDING OVER " C ".  |  |            |      |        |    |  |  |
| Step 4: STRIP AS SHOWN.   |  |  |            |      |        |    |  |  |
|   | Step 5: PUT CONTACT PIN " B " ON CENTER CONDUCTOR AND SOLDER<br>OR CRIMP IN " Y ".<br>(USE SQUARE 1.6mm/0.063inch SECTION OF INSERT-A<br>IF CRIMPED) |  |            |      |        |    |  |  |
|   |  | Step 6: FINALLY SCREW NUT " F " ON THE CONNECTOR BODY " A ". |            |      |        |    |  |  |
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| APPROVED  | CHECKED  |  | DRAWIN     |      | Albert |    |  |  |