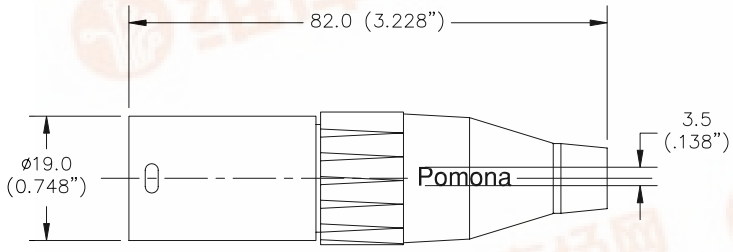
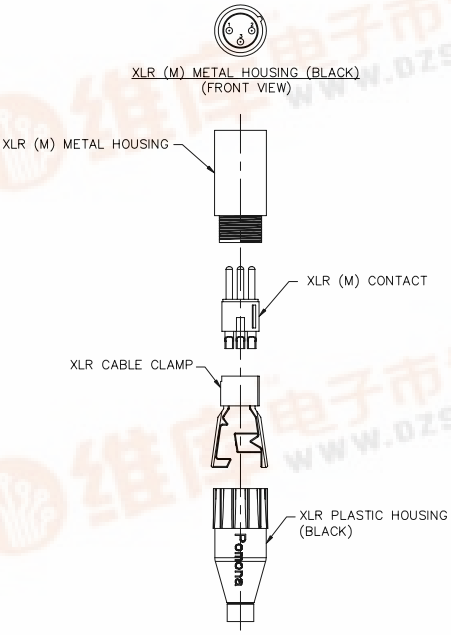
Pomona ELECTRONICS

Technical Data Sheet

Models 6853
3-Pin XLR (M), Gold Contacts, Black Nickel Shell

Model 6853 3-Pin XLR (F), silver contacts, black nickel shell





Dramatically reduce your audio system support costs.

Features

- **Pull strength is 100 pounds**
- Handles 24 AWG cable
- Black streamlined profile with compact shell. Rugged construction
- Robust design. Number of insertions is at least 1000 mating cycles

Materials

- Body is die cast zinc alloy with tarnish resistant black polyester finish.
- Back shell is thermoplastic UL94V-0 modified PPE resin.
- Contacts are gold-plated brass.
- Cable clamp is UL94V-0 modified PPO resin.
- Cable bushing is thermoplastic polyurethane.

Ordering Information

Model: 6853

Specifications

Mating cycles	1000
Dielectric strength	1400 V dc
Wire gauge	14 AWG max.
Pull strength	Up to 100 lbs.
Cable O.D. range	3 mm to 6.5 mm (0.118" to 0.255")
Contact resistance	≤ 3 mΩ typical
Insulation resistance	≥ 1 GΩ
Protection class	IP40
Operating temperature	-25 °C to +75 °C
Operating voltage	33 Vrms, 70 V dc
Current carrying capacity	15 A

USA: Sales: 800-490-2361 Technical Support: 800-241-2060 Fax: 888-403-3360
Europe: 31-(0) 40 2675 150 **International**: 425-446-5500
e-mail: technicalsupport@pomonatest.com
Where to Buy: www.pomonaelectronics.com

All dimensions are in inches. Tolerances (except noted): .xx = ±.02" (,51 mm), .xxx = ± .005" (,127 mm). All specifications are to the latest revisions. Specifications are subject to change without notice. Registered trademarks are the property of their respective companies.

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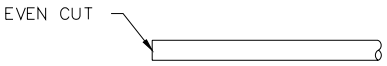
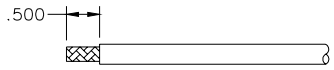
Cable Assembly Instructions

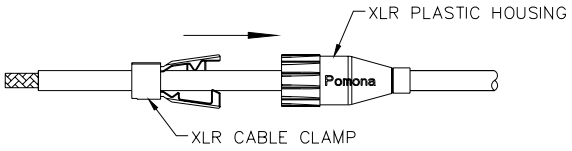
1. CUT CABLE END EVENLY AND PERPENDICULAR



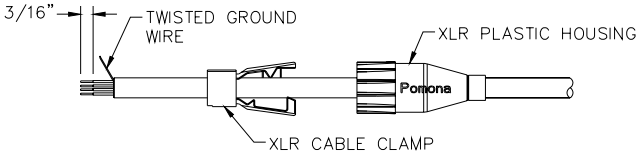
2. STRIP CABLE TO DIMENSIONS SHOWN.



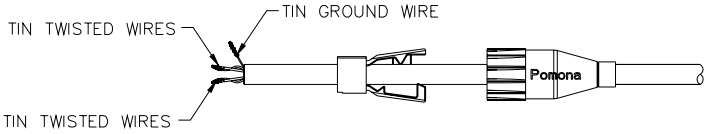
3. SLIDE PLASTIC HOUSING AND CABLE CLAMP OVER CABLE IN DIRECTION SHOWN.



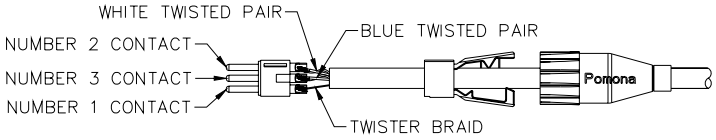
4. REMOVE BRAID AND FILLER EVEN WITH CABLE JACKET. SEPARATE GROUND FROM INNER WIRES AND TWIST. STRIP WHITE AND BLUE WIRES TO 3/16".



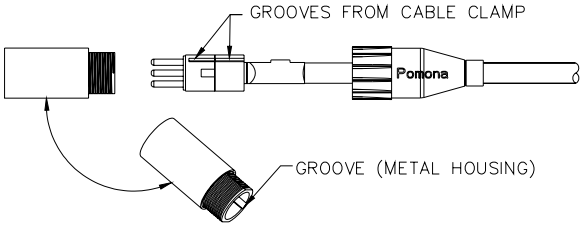
5. TWIST STRIPPED WHITE WIRES TOGETHER AND TIN. TWIST STRIPPED BLUE WIRES TOGETHER AND TIN. TWIST AND TIN GROUND WIRE.



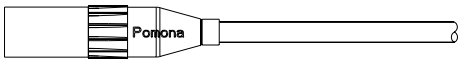
6. SOLDER GROUND WIRE TO THE NUMBER 1 CONTACT (CONTACT NUMBERS PRINTED ON PLASTIC HOUSING). SOLDER WHITE TWISTED PAIR TO NUMBER 2 CONTACT. SOLDER BLUE TWISTED PAIR TO NUMBER 3 CONTACT.



7. SLIDE CABLE CLAMP FORWARD OVER SOLDERED CONNECTION AND LINE UP THE KEYS (SLOTS) AS SHOWN. LINE UP GROOVES FROM CABLE CLAMP AND METAL HOUSING. SLIDE CABLE CLAMP ASSEMBLY INTO METAL HOUSING.



8. SLIDE PLASTIC HOUSING FORWARD AND THREAD ONTO METAL HOUSING AS SHOWN, PULL TEST 100 LBS MAX.



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