

Duraline®



THOF-500 Connectors Comparison Guide



**Duraline
THOF-500 23 Series Custom**

Industrial Strength Electrical Products for Industrial Strength Users



Duraline vs. Competitors: Why Choose Duraline?



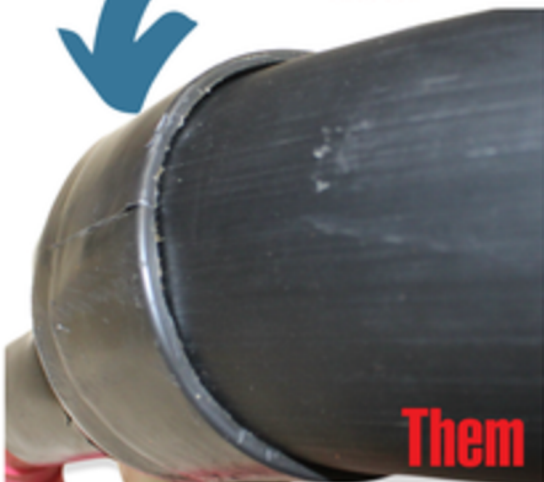
Duraline's vulcanizing and rubber molding processes ensure our Cam-Type connectors for THOF-500 cables are unmatched in durability and reliability. These high-grade connectors resist UV radiation, saltwater, and extreme temperatures, maintaining a secure, waterproof seal in harsh marine environments.

Competitors often use inferior materials and construction, leading to issues like poor fittings, overheating, water damage, and shorts.



Duraline's advanced techniques provide superior flexibility and strength, exceeding the stringent requirements of the Navy and shipping companies, ensuring reliable, efficient ship-to-shore power connections.

**Water Ingress point
when under stress of
use.**



**Boot is completely
sealed with CSM VO
Fire Rated Rubber.**

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Duraline vs. Competitors: Superior Insulating Techniques

Duraline's insulating sleeves are vulcanized under high pressure and temperature, bonding thick wall CPE tubing around each insulator leg. This process is followed by a secondary heat shrink tube for added strain relief and a third shrink tube for color identification. This multi-layered approach ensures a secure and durable seal, making Duraline's connectors highly reliable in demanding environments.

In contrast, other companies use a friction fit method with a single thin wall shrink tube on each leg, relying on a less secure seal. This approach lacks the additional strain relief and durability provided by Duraline's comprehensive system, potentially leading to compromised insulation and increased risk of electrical faults over time as well as heat build up and fire. Duraline's method offers superior performance and long-term protection, essential for marine and industrial applications.

Thin-wall heat shrink tubes provide limited weather protection while in use.

Heavy-wall CPE rubber tubing, provides all weather protection.



Them



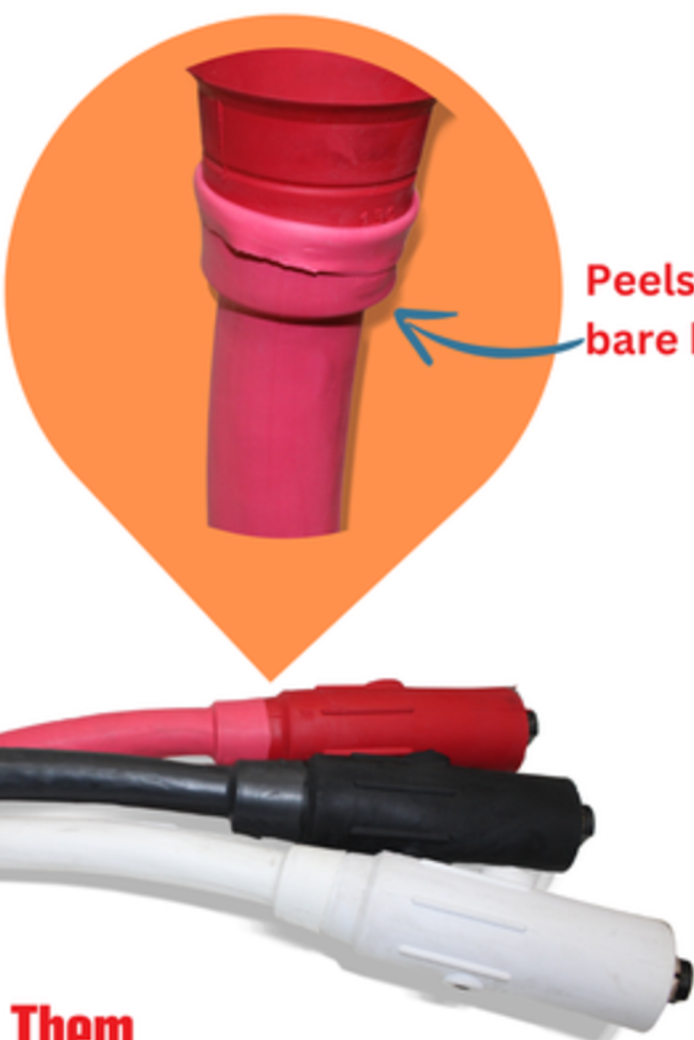
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Duraline vs. Competitors: Enhanced Safety and Durability

Duraline's vulcanizing process bonds thick wall CPE tubing around each insulator leg, creating a secure seal. This is reinforced with secondary heat shrink tubing for strain relief and a third layer for color coding, ensuring connectors remain intact under heavy usage. This multi-layered approach minimizes insulation failure, maintaining reliability in extreme conditions.

Competitors that use only a single heat shrink tube face significant risks. Their insulation is prone to ripping and can be removed with bare hands, increasing the likelihood of short circuits and ground faults. Without added strain relief, these connectors are more likely to fail under stress, compromising safety and efficiency. Duraline's superior construction provides unmatched reliability and protection, crucial for marine and industrial applications.



Peels away with
bare hands.

Vulcanized and
molded to
cable, to
withstand
abuse

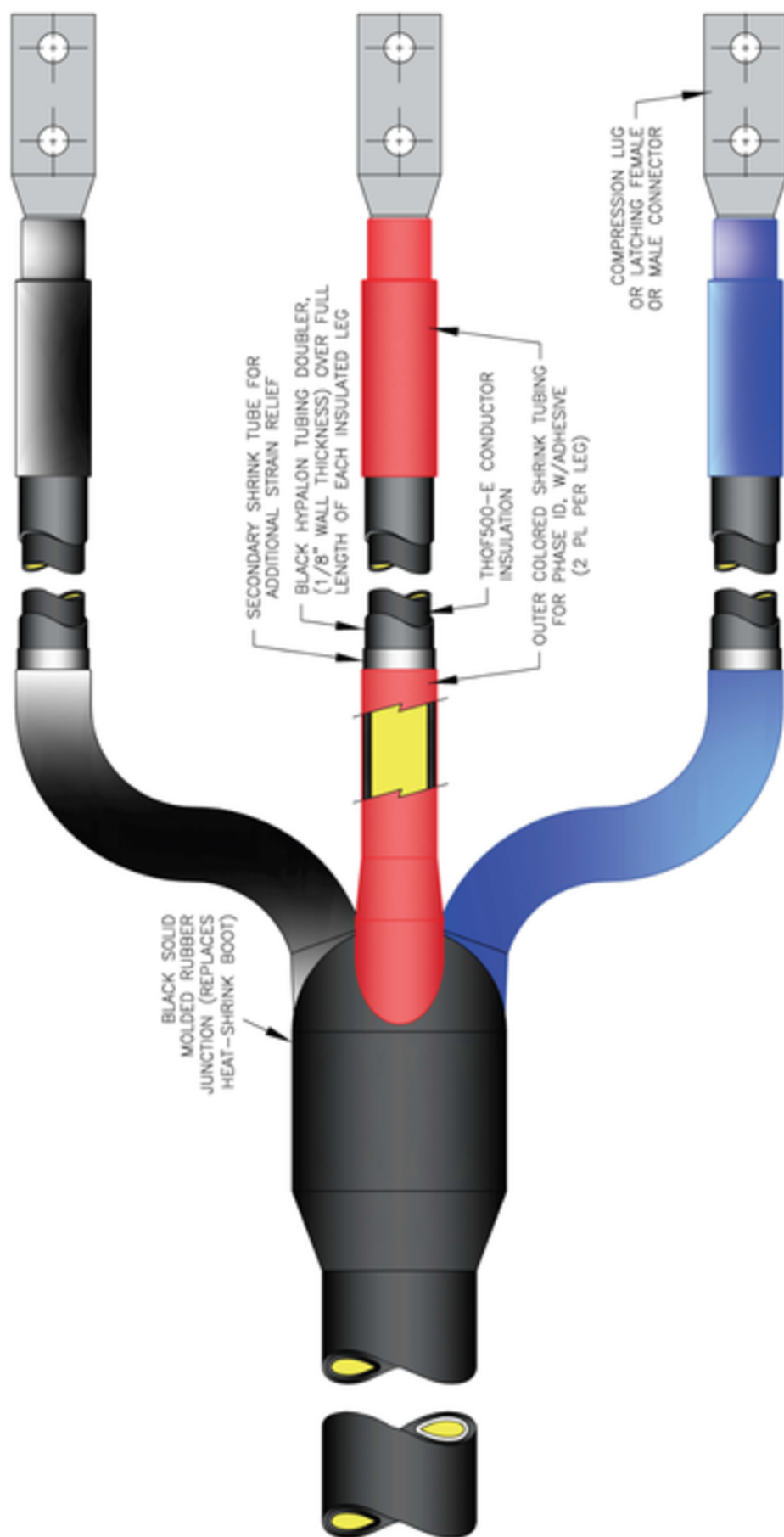


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THOF - 500 Part Specs



Custom Connector and Cable Solutions

Duraline's molding process creates a smooth, uniform bond between the connector body and cable, producing a consistent seal designed to resist moisture, contamination, and mechanical stress. Every assembly is molded and inspected to ensure reliable long-term performance in demanding environments.

By comparison, poorly executed seals can create gaps, voids, and irregular surfaces that may allow moisture intrusion and premature failure. When equipment is exposed to vibration, weather, washdown conditions, or repeated handling, the quality of the seal can make the difference between years of dependable service and costly downtime.

Duraline's in-house molding process is designed to deliver the consistency, durability, and quality that critical power applications demand.

Them



Embedded sealing can create gaps for moisture and dust to settle.

Our parts are molded directly to the cable, with an additional seal to resist water and dust.

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Duraline Ship to Shore Products

THOF - 500 Extensions

- Available in 1023 and 1022 Series Connectors
- Designed with high-pressure vulcanized insulation and extra thick wall CPE tubing around each insulator leg.
- Assembled in-house, reducing time and cost of the vulcanization you connectors to cable
- Ideal for industrial settings, shipyards, and emergency power systems.



Xpower Connectors

- Available in 1023 and 1022 Series Connectors
- Designed with high-pressure vulcanized insulation and extra thick wall CPE tubing around each insulator leg.
- Assembled in-house, reducing time and cost of vulcanization of connectors to cable
- Ideal for industrial settings, shipyards, and emergency power systems.



Cam-Lok Housings

- Available in 1023, 1022, and Long Shroud Connector Blocks
- Secure locking mechanisms prevent accidental disconnections,.
- Available in multiple configurations, making them highly adaptable for different operational requirements.





**With over 70 years experience,
we know exactly what you need.**



Duraline was founded in 1946 as a supplier of safety-engineered electrical distribution systems for the shipbuilding industries. We have since grown to supply diverse industries such as petrochemical, aviation, medical, and entertainment.



Duraline products are proudly made in the U.S.A. All of the manufacturing is done in our Florida facility, established in 2012. To guarantee that our products are safe, we follow the most stringent manufacturing and quality control requirements and manufacture our products to conform with several recognized industry standards.



Duraline is committed to bringing the best product possible to our customers, including developing new products to match any needs our customers might have.

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Industrial Strength Electrical Products for Industrial Strength Users



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