

3 x 19 Wire Rope Assemblies

The Oceanographic Standard Galvanized Jacketed Mooring Line



Mooring Systems Inc. specializes in the fabrication of wire rope assemblies designed specifically for oceanographic applications. The 3 x 19 (3 strands, 19 wires per strand) galvanized jacketed wire rope construction with swaged socket terminations is the accepted standard for underwater mooring installations. Developed at the Woods Hole Oceanographic Institution, this high performance rope is torque resistant to prevent rotation and unwinding, and provides superior handling control. A durable plastic jacket protects against corrosion for increased mooring longevity.

Reduce Drag & Improve Depth Control

Mooring performance is also improved as the wire rope's low drag coefficient allows better depth control of the top buoy and in-line mounted instrumentation.

Features:

- Torque Resistant Design
- High Density Plastic Jacket
- Kink Resistant
- Excellent Strength to Drag Ratio
- Superior Resistance to Corrosion
- Fish Bite Resistant
- 100% Proof Tested Terminations
- Polyurethane Boot Reduces Bending Stress
- Calibrated Wire Lengths
- Inductive Modem Ready
- Hydraulically Swaged Galvanized Sockets

Hammerhead Inductive Modem Mooring Termination

By-pass sub-surface mooring sections

- (3 x 19) Jacketed Wire Rope for carrying the IM Data Signal
- Special Hammerhead "isolated" Termination for Jumper Connection
- Protective Plastic Cover to Protect Isolation Coating
- Robust Jumper using (3 x 19) Wire Rope that withstands bending
- Quick Connect Mechanical Strain Relief

3 x 19 Wire Rope Specifications:

Wire Diameter	Jacket Diameter	Breaking Strength	Weight-(seawater)	Termination Shackle Fit
3/16" (5.0 mm)	6.5 mm	1,814 kg	0.0772 kg/m	1/2" shackle
1/4" (6.5 mm)	8.5 mm	3,016 kg	0.1408 kg/m	1/2" shackle
5/16" (8.0 mm)	10 mm	4,490 kg	0.2128 kg/m	5/8" or 3/4" shackle
3/8" (9.5 mm)	11.5 mm	6,713 kg	0.3169 kg/m	5/8" or 3/4" shackle
7/16" (11.1 mm)	12.7 mm	8,528 kg	0.4180 kg/m	5/8" or 3/4" shackle



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