



PRODUCT CATALOG

SPACE-LAY

- ▶ Tough, durable covering
- ▶ High fatigue resistance
- ▶ Resistance to liquid penetration
- ▶ Immune to peeling

For many applications, the SPACE-LAY design has proven far superior to all other known types of plastic coated wire rope. It has also outlasted bright, galvanized and stainless steel ropes – especially where submersion or abrasion prevents formation of a protective oxide film, which these metals require to resist corrosive elements. Under such conditions, SPACE-LAY plastic-impregnated and coated galvanized wire rope offers important advantages to users.

With ordinary plastic-coated wire rope, the individual metal strands are in direct contact with each other at many points. As a result, the metal-to-metal contact causes internal friction and wear. Even more important, with conventional constructions, there is no interlocking bond. If the outer cover becomes cut or abraded, it is easily peeled off, exposing the bare metal strands to corrosion.

In SPACE-LAY construction, each individual strand is separated from all the others by one or more extra-large “spacer-wires.” This design serves two important functions: (1) It enables the extruded plastic to form a wall of protection around EACH strand. (2) It also assures a tight, interlocking bond between the inner plastic filler and the outer plastic jacket. No peeling or leaking. In SPACE-LAY construction, each individual wire is galvanized for additional corrosion protection.

Dimensions, Minimum Breaking Forces and Weights for SPACE-LAY

Rope Dia. Inches	O.D. of Covering Inches	Rope Construction	Minimum Breaking Force	Approx. Wt. lbs./100ft.	
				Air	Sea Water
3/32	1/8	7x7	920	1.7	1.2
1/8	5/32	7x7,7x19	1,700	2.9	2.1
5/32	7/32	7x7	2,600	4.7	3.0
3/16	1/4	7x7	3,700	6.5	4.3
1/4	5/16	7x7	6,100	10.9	7.5
5/16	13/32	7x19	9,800	20.0	14.0
3/8	15/32	7x19	14,400	27.0	20.0
1/2	5/8	6x19 IWRC	22,800	50.0	37.0

RELATED INFORMATION

[Product Brochure](#)

MacWhyte, a WireCo WorldGroup brand, understands that results matter and we produce high quality wire rope and wire rope assemblies that perform to your exacting specifications. We employ the most experienced, talented, licensed engineers in the industry to design solutions for your most complex mechanical systems. Find out for yourself how MacWhyte wire ropes and custom assemblies prove themselves time and time again in the field. **MacWhyte: Results by Design.**