



**A unique plastic impregnated
wire rope designed specifically for
severe corrosive conditions.**

INDUSTRIAL - RURAL - MARINE

SPACE-LAY[®]

A WireCo[®] WorldGroup Brand

 **MacWhyte[®]**

For severe corrosion

Plastic impregnated

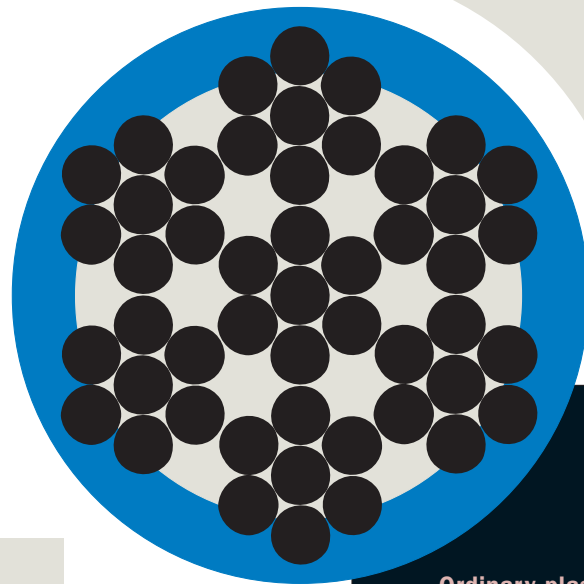
Ordinary plastic-coated wire rope vs. **SPACE-LAY**[®]

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 (blue) becomes cut or abraded, it is easily peeled off, exposing the bare metal strands to corrosion.

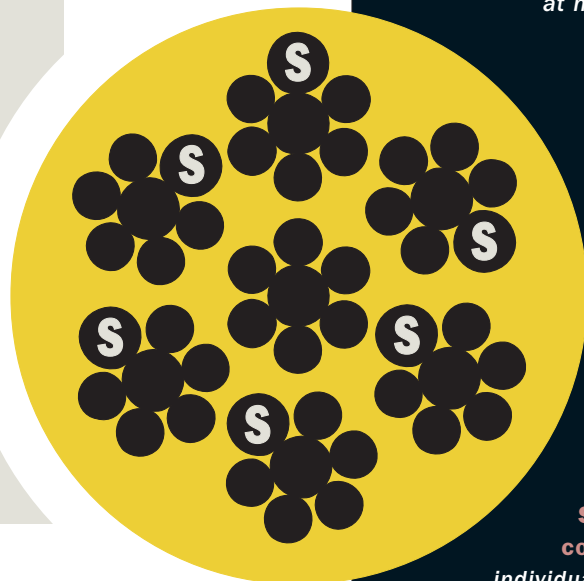
In **SPACE-LAY** construction, each individual strand is separated from all the others by one or more extra-large “spacer-wires.” This design serves two important functions: (1) It enables the extruded plastic (yellow) to form a wall of protection around EACH strand. (2) It also assures a tight, interlocking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

PLUS, in **SPACE-LAY** construction, each individual wire is galvanized for additional corrosion protection.

SPACE-LAY[®]



Ordinary plastic-coated wire rope: individual metal strands are in direct contact with each other at many points.



SPACE-LAY construction: individual strand is separated from the others by extra-large “spacer-wires.”

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d wire rope.

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.

TOUGH, DURABLE COVERING

SPACE-LAY wire rope is usually impregnated with a dense, waterproof plastic that effectively withstands abrasion and abusive treatment. It is also highly resistant to acids, alkalies, salts, and the deteriorating effects of ultraviolet rays.

HIGH FATIGUE RESISTANCE

Since there is little internal friction between strands as the rope bends and flexes... internal wear is minimal, and interstrand wire notching under severe loads is all but eliminated.

RESISTANCE TO LIQUID PENETRATION

The cross section of **SPACE-LAY** wire rope is a composite of wire and plastic. As a result, should the outer plastic covering be cut or abraded, corrosive elements cannot penetrate the entire wire rope.

FLEXIBILITY

SPACE-LAY has greater ability to flex and resist fatigue than regular ropes of the same size and classification.

IMMUNE TO PEELING

With **SPACE-LAY** exclusive interlocking bond, there is no danger of the outer plastic jacket peeling off and exposing bare metal as often happens with other types of coated cable.

VERSATILITY

SPACE-LAY patented spacer-wire design is readily adaptable to a variety of wire rope constructions and to a wide range of thermoplastic jacketing ma-

terials, to meet most any service requirement. Standard items are stocked in black but it can also be produced in other colors.

LOW MAINTENANCE

SPACE-LAY never needs external greasing, yet holds its internal lubrication.

HIGH RESISTANCE TO KINKING, BIRD-CAGING, AND DEFORMATION

SPACE-LAY dense structure resists crushing... stands up well on drums and sheaves.

SAFER, EASIER TO HANDLE

Smooth outer surface of **SPACE-LAY** eliminates danger of painful "slivers"... lessens possibility of damaging the surface of equipment or associated objects.

TEMPERATURE RANGE

The operating temperature range is approximately 30°F to 175°F.

MISCELLANEOUS – BUT IMPORTANT

SPACE-LAY wire rope is unaffected by great depths of water because the plastic has a dense, waxy finish which does not absorb moisture. Positive buoyancy of the plastic increases the useful load potential. It also lends itself to the attachment of various types of compression fittings, hot sockets, and wire rope clips. In addition, the nonmetallic properties of the plastic covering make it highly desirable in applications which might produce hazardous sparks.

SPACE-LAY[®]

SIZE RANGES & BASIC DATA

| Rope Diameter Inches | O.D. of Covering Inches | Rope Construction | Approx. Wt., Lbs./100' | | |
|----------------------|-------------------------|-------------------|------------------------|--------|--------------|
| | | | Minimum Breaking Force | In Air | In 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 | 14 |
| 3/8 | 15/32 | 7x19 | 14,400 | 27 | 20 |
| 1/2 | 5/8 | 6x19 IWRC | 22,800 | 50 | 37 |

A special design process allows tough **SPACE-LAY[®]** plastic to completely impregnate a wire rope, forming a tight, impenetrable bond with the protective inner filler.

WITHSTANDS MOST CORROSIVE CONDITIONS

SPACE-LAY wire ropes, impregnated with tough, waterproof polypropylene (or other selected plastics), will withstand most corrosive conditions, including those encountered in industrial and rural environments, tropical climates and various marine applications. These ropes also successfully withstand abrasion, deformation and hard treatment. These ropes are made of galvanized aircraft quality wire for added corrosion protection with the extra plus of high strength and reliability.

SPACE-LAY is the trademark assigned to this revolutionary, longer-lasting plastic impregnated and coated wire rope manufactured by Macwhyte, a brand of WireCo WorldGroup.

WARRANTY

Any warranty, expressed or implied as to quality, performance or fitness for use of wire rope products is always premised on the condition that the published strengths apply only to new, unused rope, that the mechanical equipment on which such products are used is properly designed and maintained, that such products are properly stored, handled, used and maintained, and properly inspected on a regular basis during the period of use.

Seller shall not be liable under any circumstances for consequential or incidental damages or secondary charges including but not limited to personal injury, labor costs, a loss of profits resulting from the use of said products or from said products being incorporated in or becoming a component of any other product.



 **MacWhyte[®]**

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