Stainless Steel Cable Ties

More care should be taken in the specification of ties for hazardous and corrosive applications. They should have the same halogen-free and fire retardant properties as the cable the support.

London King Cross Tube disasters -and a number of other major fires around the world - particularly the South African gold mine has accelerated the trend toward installing halogen-free (non-hal) and fire retardant cables and support accessories.

The cable tie is a small component in an installation performing a critical function in holding together what is often a heavy mass of cables.

Unfortunately it is often overlooked at the specification stage and installers are left to put in their own choice - often a plastic tie which will defeat the purpose of using non-hal and flame retardant cables.

Cable ties in situations that warrant specialist cables should also be flame retardant, non-toxic and halogen-free. Flame retardant cable ties self-extinguish when the flame is removed.

Although not often the cause of am fire, conventional cables and ties can soon catch light and compound the hazard. Their self-sustained combustion qualities not only enhance any fire, but also produce a tremendous amount of thick and hazardous toxic smoke. They also give off hydrocarbon gases that recombine with moisture to form corrosive acidic mist, which is very damaging to sensitive control instruments and equipment.

An Ideal Cable Tie

- ☐ *hold cables to trays and ladders, bundle securely and non induce stress or damage the protective sheath*
- ☐ *non to cause local-heating or interfere with power or signals in the cables*
- ☐ *be strong enough to hold the cables not only when static, but also when subjected to vibration and shock, for example , in an earthquake*
- ☐ *to be resistant to fire, physical abrasion, hazardous gas or liquid, extreme temperature and ultra-violet light*
- ☐ *and, most importantly, during a fire it should be strong enough to hold communication and emergency service lines for rescue and fire fighting equipment and keep overhead wires in place to prevent blockage of escape routes.*

Plastic cable ties have limited mechanical strength, creep under load, little weathering resistance and often low melting temperature.

Stainless steel cable ties (with or without halogen-free and fire retardant coating) serve well enough in many of these conditions. They have inherent strength, which will support a full load of cables in flush mounted cable ladders and wall panels. These arrangements save headroom space and provide easy access for service and maintenance.

BAND-IT Stainless Steel Cable Ties

BAND-IT stainless steel ties and straps are made from premium quality non-magnetic stainless steel available coated or non-coated. Finely controlled coating either in Plascoat PPA and Nylon11 which are non-toxic, halogen-free, flame retardant and yet remain flexible even in sub-zero temperatures, are now internationally approved for hazardous and corrosive environments. BAND-IT stainless steel cable ties are UL Listed, CE approved and DNV (Det Norske Veritas) approved.

Extract from article on Asian Electricity September 1991

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10-12 McWilliam Street, Springvale VIC 3171, Australia

BAND-IT

QUALITY CABLE FASTERNERS



Self-Locking Ball-Lok Stainless Steel Cable Ties

4.7625 mm and 7.9375 mm Widths

* Corrosion-Resistant type 304 & 316 Stainless Steel Construction
* Available Coated with Nylon 11 or Uncoated
* Apply by Hand or with Ball-Lok/Self-Lok Tool

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BAND-IT Ties

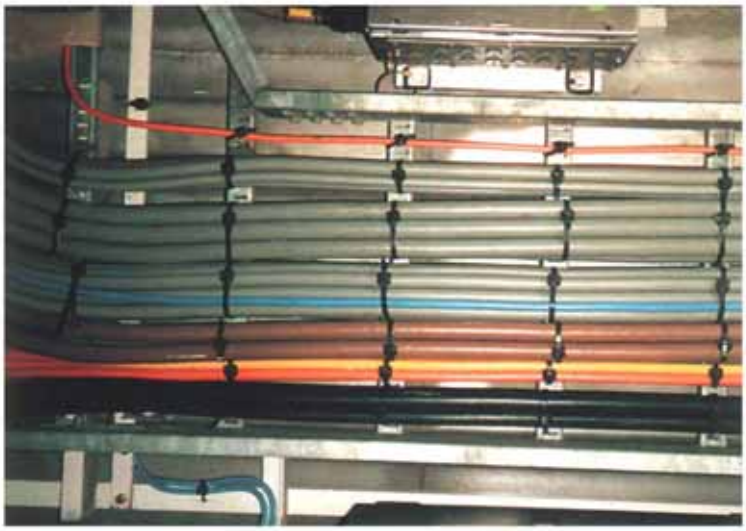
Reusable BAND-IT Ties

For Cable Bundling in Harsh Environments

BAND-IT Ties are made from high strength, corrosion resistant 200\300 stainless steel coated with Nylon 11, a non-toxic, halogen free, low smoke coating. They can also be supplied with no coating.

The unique buckle design provides quick, easy application and can just as easily be unfastened for reuse. BAND-IT Ties can be tensioned by hand or by using a BAND-IT Cable Tie Tensioner, Tensioning Hook or Bantam Tool.

The Nylon 11 coating has excellent chemical and weathering resistance which is unaffected by U.V. Extremely flexible even at low temperatures, the coating protects cable from damage or interference due to direct contact with stainless steel.





Application Hand Tools



Bantam Tool



Cable Tie Tensioner



Tensioning Hook

BAND-IT®
THE CLAMPING EXPERTS

Smooth I.D. Clamping Products



Clamping Tools



Pneumatic Tool

Tie-Lok II Tool®

A patented, lightweight, pocket size hand tool which quickly and easily applies Smooth I.D. Tie-Lok Ties.

Mini Tie-Lok II Tool®

Same features as Tie-Lok II Tool® but used to apply Smooth I.D. Mini Tie-Loks.

Ultra-Lok Tool®

Same features as Tie-Lok II Tool® but used to apply Smooth I.D. Ultra-Lok Ties, Smooth I.D. Tie-Lok Ties and Single Wrap Universal Preformed Clamps.

Pneumatic Tools

Fast, easy, portable tool for high-speed, uniform application of Smooth I.D. Tie-Lok Ties, Smooth I.D. Mini Tie-Lok Ties, Smooth I.D. Ultra-Lok Ties and Single Wrap BAND-IT Jr. Smooth I.D. Preformed Clamps.



BAND-IT

Stainless Steel Cable Ties
Stainless Steel Band & Strap
With Nylon 11 Coated
or Non-Coated







STRONG
FLEXIBLE
FLAME RETARDANT
HALOGEN-FREE
LOW SMOKE
NON-TOXIC
CORROSION-RESISTANT

BAND-IT

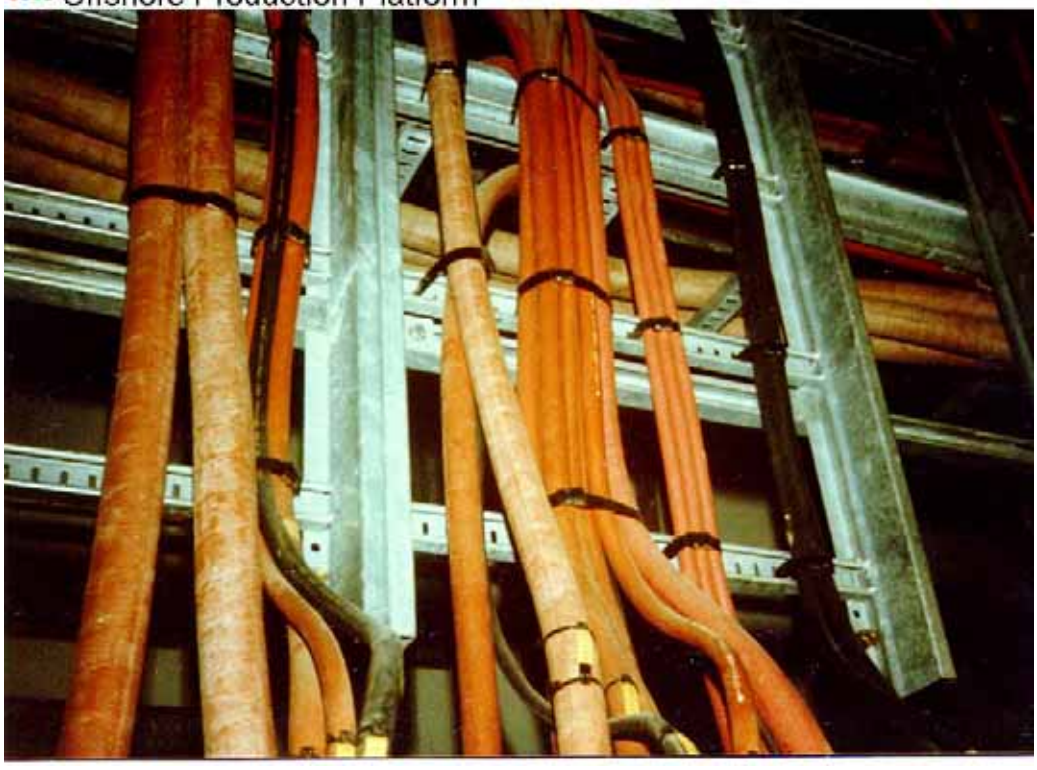
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Caustic & Cold Environment

PPA-Coated Stainless Steel Cable Ties used in North Sea Oil Rigs Cable Installation. PPA-Coating is UV-Resistant and remains Flexible even in Sub-Zero Temperature.



Offshore Production Platform

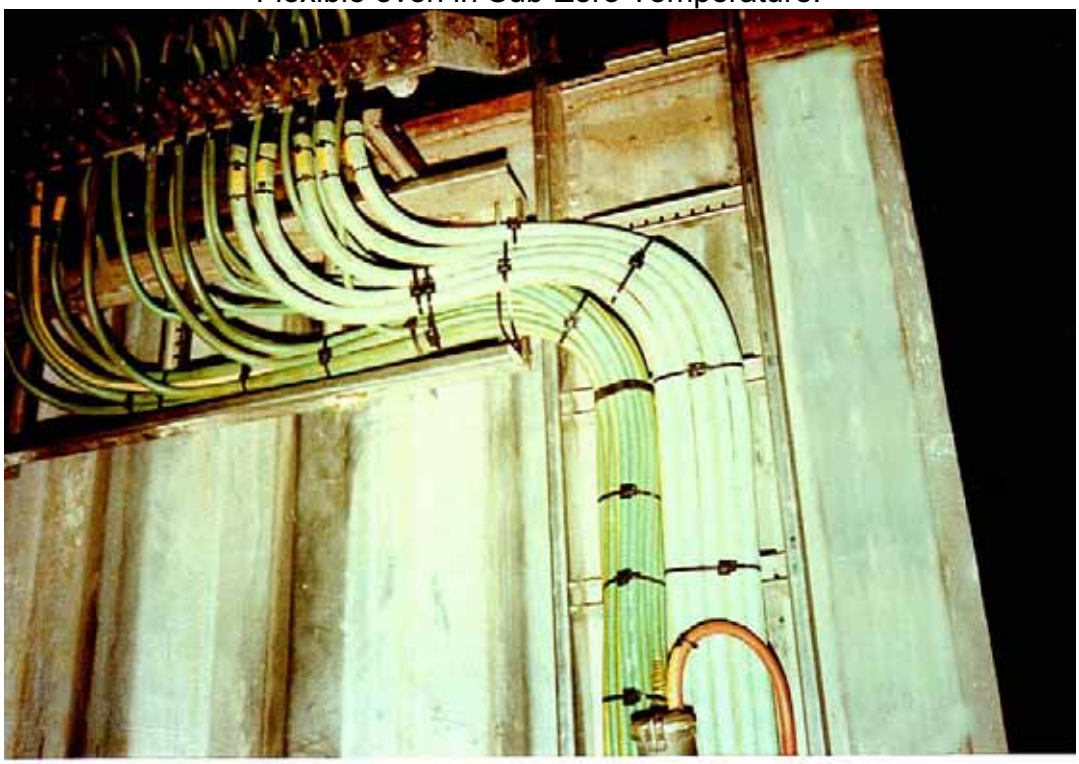


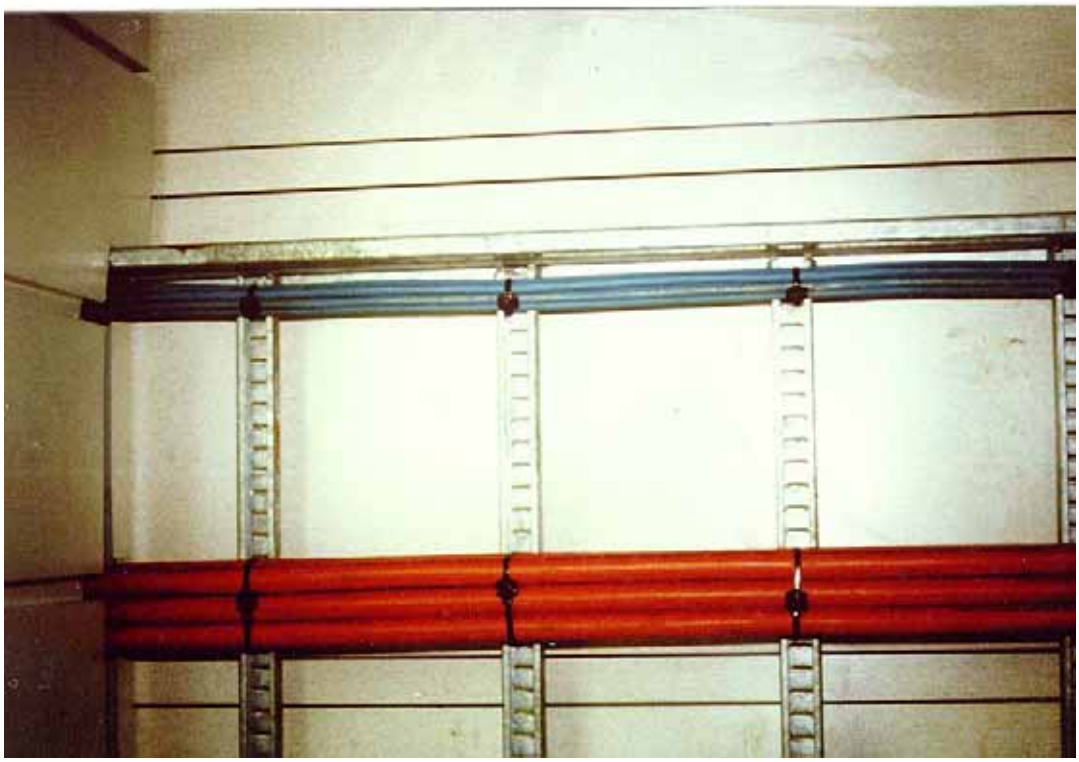
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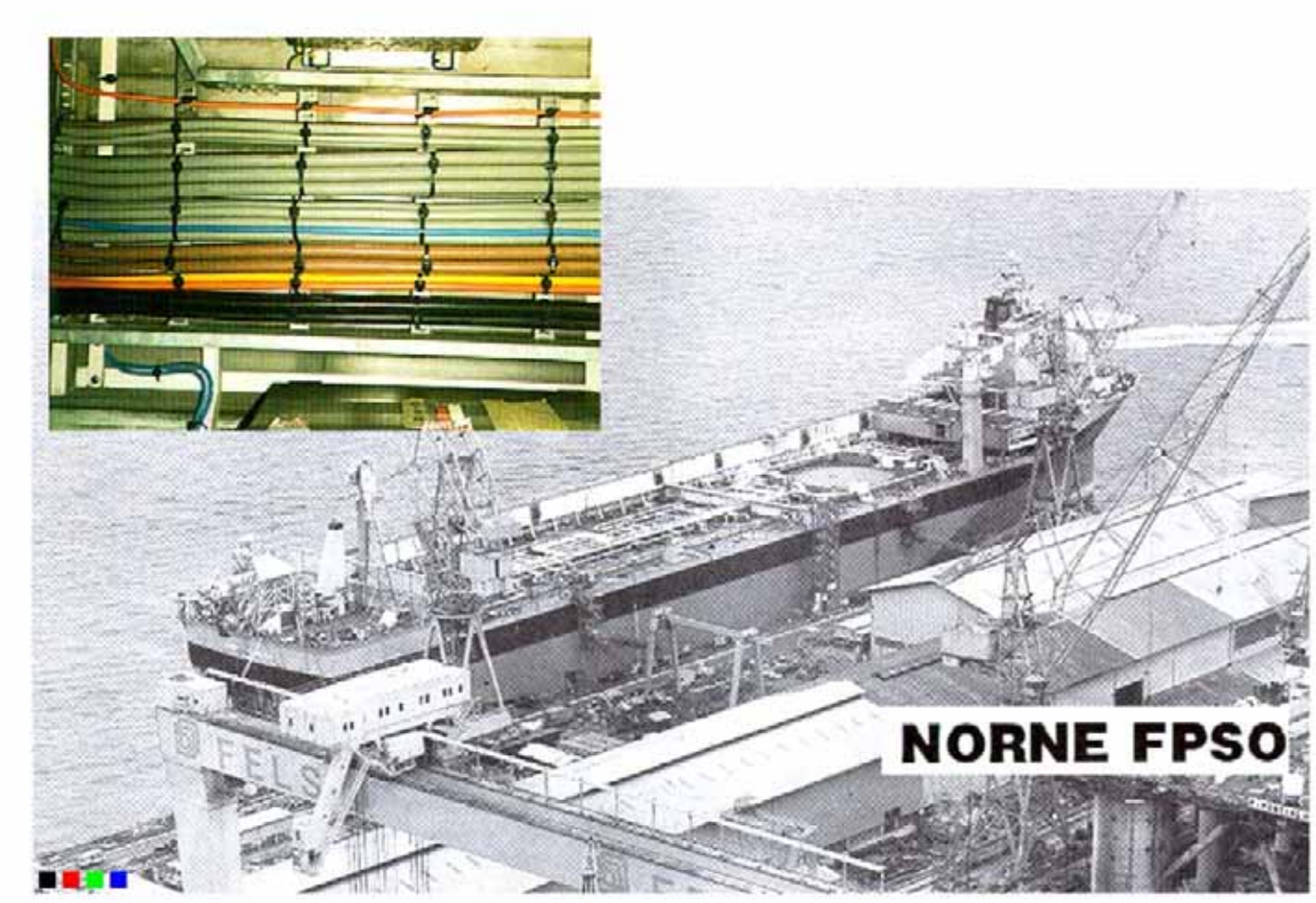
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Telecommunication Tower - USA

PPA-Coated Stainless Steel Cable Ties provide Maintenance-Free Installation of Signal Cables in Radio Towers.

