

# Certified Sustainable Cable Maintenance

# Lifetime extension, repair and fire protection of electrical cables on CRUISE SHIPS



Fire Security has protected more than 270 vessels, including the world's largest cruise ships.





# FS1 is an intumescent coating that will expand 100 times its thickness during a fire - thus protecting the cables from fire damage and making sure the cables function when needed the most.



#### AN INTERNATIONAL STANDARD FOR THE CRUISE INDUSTRY



Millions of people travel the ocean every year for business or pleasure. Fire Security is one of the most important partners in making this travel as safe as possible. It is our objective to enhance the safety of the vessel, its passengers and crew and as such Fire Security's products have become an international standard for the cruise industry.

#### Fire Security - what we offer and how we work.

Fire Security is a Norwegian company specializing in class approved repair and fire protection of electrical cables. We are the only producer offering a turnkey operation with specially trained personnel for application worldwide.

Fire Security offers to conduct surveys of cables in high risk areas of your vessels, after which a detailed report is handed over to you with suggestions to what we can do to improve the fire technical properties of your cables, what you will gain and a price quote. This is done totally free of charge with no commitment from your side.

Our **Vice President Terje Waage** is in charge of the cruise sector at Fire Security. As a co-founder of the company he has more than 30 years of experience and has seen more than 230 cruise ships being protected by our team of applicators.

When choosing a partner to conduct fire protection of cables, it is of utmost importance to use a company who knows how to perform the job according to requirements. Engage a company with a truly professional organization that uses well documented products to provide fire resistance under extreme temperatures.

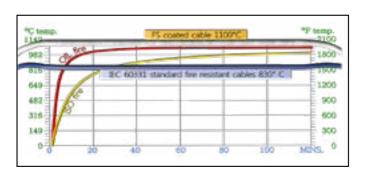
Fire Security meets all these requirements.

Fire Security has more than 30 years of experience in cable fire protection worldwide.

# SAVING COST, SAVING ASSETS, SAVING LIVES In a fire situation our systems will prevent:

- Ignition of the cable insulation
- Release of toxic fumes from the cable insulation
- Release of poisonous gas (HCL) from the cable insulation
- The cable tray from melting and collapsing

# Will your cables survive a hydrocarbon fire?



The yellow curve shows the temperature of an ISO fire - 830° Celsius, which is a normal cellulose fire.

The red curve represents the temperature of an oil fire - up to  $1100^{\circ}$  Celsius - the temperature to which Fire Security has tested their coatings. This is the temperature you will be facing if you had such a fire.

#### How the protection works

During a fire, the coating will expand upto 100 times its thickness, thus protecting the cable from fire damage. Coated cables will function during a fire and be usable afterwards. If the fire is extinguished within reasonable time, there is no need for cable replacement.

FS Page 2



## WE SERVE THE WORLD'S LARGEST CRUISE LINE OPERATORS

FS is the world leader in fire protection of cables on board cruise ships using our FS1 intumescent coating in a turnkey solution. Since 1996 we have protected on average one ship per month. FS has fire protected cables in critical areas on board more than 230 cruise vessels:

<b>V</b> 2020	Protection enoise					
Carnival Cruise Lines	Carnival Spirit	Costa Crociere	Costa Favolosa	Holland America Line	Westerdam	P&O Cruises
Carnival Cruise Lines	Carnival Sunshine	Costa Crociere	Costa Magica	Holland America Line	Zuiderdam	P&O Cruises
Carnival Cruise Lines	Carnival Sunrise	Costa Crociere	Costa Mediterranea	Holland America Line	Zaandam	P&O Cruises
Carnival Cruise Lines	Carnival Triumph	Costa Crociere	Costa Pacifica	Ibero Cruises	Grand Celebration	Ponant
Carnival Cruise Lines	Carnival Valor	Costa Crociere	Costa Romantica	Ibero Cruises	Grand Holiday	Ponant
Carnival Cruise Lines	Carnival Victory	Costa Crociere	Costa Serena	Ibero Cruises	Grand Mistral	Ponant
Carnival Cruise Lines	Carnival Vista	Costa Crociere	Costa Smeralda	Ibero Cruises	Grand Voyager	Ponant
Celebrity Cruises	Celebrity Apex	Costa Crociere	Costa Toscana	Lindblad Expeditions	NG Endurance	Ponant
Celebrity Cruises	Celebrity Beyond	Costa Crociere	Costa Venezia	Lindblad Expeditions	NG Resolution	Ponant
Celebrity Cruises	Celebrity Constellation	Costa Crociere	Costa Victoria	Lindblad Expeditions	NG Venture	Ponant
Celebrity Cruises	Celebrity Eclipse	Crystal Cruises	Crystal Endeavor	Norwegian Cruise Line	Norwegian Breakaway	Ponant
Celebrity Cruises	Celebrity Edge	Crystal River Cruises	Crystal Bach	Norwegian Cruise Line	Norwegian Bliss	Ponant
Celebrity Cruises	Celebrity Equinox	Crystal River Cruises	Crystal Mahler	Norwegian Cruise Line	Norwegian Dawn	Ponant
Celebrity Cruises	Celebrity Infinity	Cunard	Queen Mary 2	Norwegian Cruise Line	Norwegian Encore	Ponant
Celebrity Cruises	Celebrity Millennium	Cunard	Queen Elizabeth	Norwegian Cruise Line	Norwegian Epic	Princess Cruises
Celebrity Cruises	Celebrity Reflection	Cunard	Queen Victoria	Norwegian Cruise Line	Norwegian Escape	Princess Cruises
Celebrity Cruises	Celebrity Silhouette	DFDS Seaways	Crown of Scandinavia	Norwegian Cruise Line	Norwegian Gem	Princess Cruises
Celebrity Cruises	Celebrity Solstice	DFDS Seaways	Pearl of Scandinavia	Norwegian Cruise Line	Norwegian Getaway	Princess Cruises
Celebrity Cruises	Celebrity Summit	DFDS Seaways	Princess of Scandinavia	Norwegian Cruise Line	Norwegian Jade	Princess Cruises
Celebrity Cruises	Celebrity Xpedition	Disney Cruises	Disney Dream	Norwegian Cruise Line	Norwegian Jewel	Princess Cruises
Color Line	Bohus	Disney Cruises	Disney Fantasy	Norwegian Cruise Line	Norwegian Joy	Princess Cruises
Color Line	Christian IV	Disney Cruises	Disney Magic	Norwegian Cruise Line	Norwegian Pearl	Princess Cruises
Color Line	Color Fantasy	Disney Cruises	Disney Wish	Norwegian Cruise Line	Norwegian Sky	Princess Cruises
Color Line	Color Festival	Disney Cruises	Disney Wonder	Norwegian Cruise Line	Norwegian Spirit	Princess Cruises
Color Line	Color Hybrid	Festival Cruises	European Vision	Norwegian Cruise Line	Norwegian Star	Princess Cruises
Color Line	Color Magic	Festival Cruises	European Stars	Norwegian Cruise Line	Norwegian Sun	Princess Cruises
Color Line	Color Viking	Holland America Line	Amsterdam	Norwegian Cruise Line	Pride of America	Princess Cruises
Color Line	Kronprins Harald	Holland America Line	Eurodam	Oceania Cruises	Oceania Insignia	Princess Cruises
Color Line	Peter Wessel	Holland America Line	Koningsdam	Oceania Cruises	Oceania Marina	Princess Cruises
Color Line	Prinsesse Ragnhild	Holland America Line	Nieuw Amsterdam	Oceania Cruises	Oceania Nautica	Princess Cruises
Color Line	Silvia Ana	Holland America Line	Nieuw Statendam	Oceania Cruises	Oceania Regatta	Princess Cruises
Color Line	Skagen	Holland America Line	Noordam	Oceania Cruises	Oceania Riviera	Princess Cruises
Color Line	Superspeed 1	Holland America Line	Maasdam	Oceania Cruises	Oceania Sirena	Princess Cruises
Color Line	Superspeed 2	Holland America Line	Oosterdam	P&O Cruises	Adonia	Princess Cruises
Costa Crociere	Costa Atlantica	Holland America Line	Prinsendam	P&O Cruises	Arcadia	Princess Cruises
Costa Crociere	Costa Classica	Holland America Line	Rotterdam	P&O Cruises	Arvia	Princess Cruises
Costa Crociere	Costa Concordia	Holland America Line	Ryndam	P&O Cruises	Aurora	Pullmantur Cruises
Costa Crociere	Costa Deliziosa	Holland America Line	Statendam	P&O Cruises	Azura	Pullmantur Cruises
Costa Crociere	Costa Diadema	Holland America Line	Veendam	P&O Cruises	Britannia	Pullmantur Cruises
Costa Crocioro	Costa Esseinosa	Holland America Line	Volondom	DerO Crusiono	Iona	Dullmontur Cruicos

P&O Cruises	Oceana	Pullmantur Cruises	Zenith
P&O Cruises	Oriana	RCCL	Adventure of the Seas
P&O Cruises	Ventura	RCCL	Allure of the Seas
Ponant	Le Austral	RCCL	Anthem of the Seas
Ponant	Le Bellot	RCCL	Brilliance of the Seas
Ponant	Le Bougainville	RCCL	Enchantment of the Seas
Ponant	Le Boreal	RCCL	Explorer of the Seas
Ponant	Le Champlain	RCCL	Freedom of the Seas
Ponant	Le Dumont d'Urville	RCCL	Grandeur of the Seas
Ponant	Le Jacques Cartier	RCCL	Harmony of the Seas
Ponant	Le Laperouse	RCCL	Independence of the Seas
Ponant	Le Lyrial	RCCL	Jewel of the Seas
Ponant	Le Ponant	RCCL	Liberty of the Seas
Ponant	Le Soleal	RCCL	Majesty of the Seas
Princess Cruises	Caribbean Princess	RCCL	Mariner of the Seas
Princess Cruises	Coral Princess	RCCL	Navigator of the Seas
Princess Cruises	Crown Princess	RCCL	Nordic Empress
Princess Cruises	Dawn Princess	RCCL	Oasis of the Seas
Princess Cruises	Diamond Princess	RCCL	Odyssey of the Seas
Princess Cruises	Discovery Princess	RCCL	Quantum of the Seas
Princess Cruises	Emerald Princess	RCCL	Radiance of the Seas
Princess Cruises	Enchanted Princess	RCCL	Rhapsody of the Seas
Princess Cruises	Golden Princess	RCCL	Serenade of the Seas
Princess Cruises	Grand Princess	RCCL	Sovereign of the Seas
Princess Cruises	Island Princess	RCCL	Spectrum of the Seas
Princess Cruises	Ocean Princess	RCCL	Splendour of the Seas
Princess Cruises	Pacific Princess	RCCL	Symphony of the Seas
Princess Cruises	Ruby Princess	RCCL	Vision of the Seas
Princess Cruises	Sapphire Princess	RCCL	Voyager of the Seas
Princess Cruises	Sea Princess	RCCL	Wonder of the Seas
Princess Cruises	Sky Princess	Regent Seven Seas	Seven Seas Explorer
Princess Cruises	Star Princess	Regent Seven Seas	Seven Seas Mariner
Princess Cruises	Sun Princess	Regent Seven Seas	Seven Seas Navigator
Princess Cruises	Regal Princess	Regent Seven Seas	Seven Seas Splendor
Princess Cruises	Royal Princess	Regent Seven Seas	Seven Seas Voyager
Princess Cruises	Majestic Princess	ResidenSea	The World
Pullmantur Cruises	Empress	Saga Cruises	Spirit of Adventure
Pullmantur Cruises	Horizon	Saga Cruises	Spirit of Discovery
Pullmantur Cruises	Monarch	Seabourn Cruise Line	Seabourn Encore
Pullmantur Cruises	Sovereign	Seabourn Cruise Line	Seabourn Legend

Seabourn Cruise Line Seabourn Spirit  Seabourn Cruise Line Seabourn Odyssey  Seabourn Cruise Line Seabourn Ovation  Seabourn Cruise Line Seabourn Sojourn  Seabourn Cruise Line Seabourn Quest  Silya Line Finnjet  Silversea Cruises Silver Cloud  Silversea Cruises Silver Explorer  Silversea Cruises Silver Wind  Silversea Cruises Silver Whisper  Silversea Cruises Silver Spirit  Silversea Cruises Silver Shadow  Silversea Cruises Silver Muse  Silver Star Pisces  Star Cruises Superstar Capricorn  Superfast Ferries Superfast 355  Superfast Ferries Superfast 356  TUI Cruises Mein Schiff 1  TUI Cruises Mein Schiff 2  TUI Cruises Mein Schiff 3  TUI Cruises Mein Schiff 5  TUI Cruises Mein Schiff 5  TUI Cruises Mein Schiff 6  Viking Cruises Viking Star  Viking Cruises Viking Sea		
Seabourn Cruise Line Seabourn Ovation  Seabourn Cruise Line Seabourn Sojourn  Seabourn Cruise Line Seabourn Quest  Silya Line Finnjet  Silversea Cruises Silver Cloud  Silversea Cruises Silver Explorer  Silversea Cruises Silver Wind  Silversea Cruises Silver Whisper  Silversea Cruises Silver Spirit  Silversea Cruises Silver Spirit  Silversea Cruises Silver Muse  Silver Sandow  Silversea Cruises Silver Muse  Star Cruises Star Pisces  Star Cruises Superfast 355  Superfast Ferries Superfast 356  TUI Cruises Mein Schiff 1  TUI Cruises Mein Schiff 3  TUI Cruises Mein Schiff 4  TUI Cruises Mein Schiff 5  TUI Cruises Mein Schiff 5  TUI Cruises Mein Schiff 6  Viking Cruises Viking Star	Seabourn Cruise Line	Seabourn Spirit
Seabourn Cruise Line Seabourn Quest Silya Line Silyersea Cruises Silver Cloud Silversea Cruises Silver Explorer Silversea Cruises Silver Wind Silversea Cruises Silver Whisper Silversea Cruises Silver Spirit Silversea Cruises Silver Spirit Silversea Cruises Silver Shadow Silversea Cruises Silver Muse Star Cruises Star Pisces Star Cruises Star Pisces Star Cruises Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Seabourn Cruise Line	Seabourn Odyssey
Seabourn Cruise Line Silja Line Finnjet Silversea Cruises Silver Cloud Silversea Cruises Silver Explorer Silversea Cruises Silver Wind Silversea Cruises Silver Whisper Silversea Cruises Silver Spirit Silversea Cruises Silver Shadow Silversea Cruises Silver Muse Silver Muse Star Cruises Star Pisces Star Pisces Star Cruises Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Seabourn Cruise Line	Seabourn Ovation
Silya Line Silversea Cruises Silver Cloud Silversea Cruises Silver Explorer Silversea Cruises Silver Wind Silversea Cruises Silver Whisper Silversea Cruises Silver Spirit Silversea Cruises Silver Shadow Silversea Cruises Silver Shadow Silversea Cruises Silver Muse Star Cruises Star Pisces Star Cruises Star Pisces Star Cruises Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Seabourn Cruise Line	Seabourn Sojourn
Silversea Cruises Silver Explorer Silversea Cruises Silver Wind Silversea Cruises Silver Whisper Silversea Cruises Silver Spirit Silversea Cruises Silver Spirit Silversea Cruises Silver Shadow Silversea Cruises Silver Muse Silver Muse Star Cruises Star Pisces Star Pisces Star Cruises Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Seabourn Cruise Line	Seabourn Quest
Silversea Cruises Silver Wind Silversea Cruises Silver Whisper Silversea Cruises Silver Spirit Silversea Cruises Silver Spirit Silversea Cruises Silver Shadow Silversea Cruises Silver Muse Star Cruises Star Pisces Star Cruises Superfast Ferries Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Silja Line	Finnjet
Silversea Cruises Silver Wind Silversea Cruises Silver Whisper Silversea Cruises Silver Spirit Silversea Cruises Silver Shadow Silversea Cruises Silver Muse Star Cruises Star Pisces Star Cruises Star Pisces Star Cruises Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Silversea Cruises	Silver Cloud
Silversea Cruises Silver Spirit Silversea Cruises Silver Spirit Silversea Cruises Silver Shadow Silversea Cruises Silver Muse Star Cruises Star Pisces Star Cruises Superstar Capricorn Superfast Ferries Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Silversea Cruises	Silver Explorer
Silversea Cruises Silver Spirit Silversea Cruises Silver Shadow Silversea Cruises Silver Muse Star Cruises Star Pisces Star Cruises Star Cruises Superfast Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Silversea Cruises	Silver Wind
Silversea Cruises Silver Shadow Silversea Cruises Silver Muse Star Cruises Star Pisces Star Cruises Superfast Perries Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Silversea Cruises	Silver Whisper
Silversea Cruises Silver Muse Star Cruises Star Pisces Star Cruises Superfast Perries Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Silversea Cruises	Silver Spirit
Star Cruises Star Pisces Star Cruises Superstar Capricorn Superfast Ferries Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Silversea Cruises	Silver Shadow
Star Cruises Superfast Capricorn Superfast Ferries Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Silversea Cruises	Silver Muse
Superfast Ferries Superfast 355 Superfast Ferries Superfast 356 TUI Cruises Mein Schiff 1 TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Star Cruises	Star Pisces
Superfast Ferries  Superfast 356  TUI Cruises  Mein Schiff 1  TUI Cruises  Mein Schiff 2  TUI Cruises  Mein Schiff 3  TUI Cruises  Mein Schiff 4  TUI Cruises  Mein Schiff 5  TUI Cruises  Mein Schiff 6  Viking Cruises  Viking Star	Star Cruises	Superstar Capricorn
TUI Cruises Mein Schiff 1  TUI Cruises Mein Schiff 2  TUI Cruises Mein Schiff 3  TUI Cruises Mein Schiff 4  TUI Cruises Mein Schiff 5  TUI Cruises Mein Schiff 6  Viking Cruises Viking Star	Superfast Ferries	Superfast 355
TUI Cruises Mein Schiff 2 TUI Cruises Mein Schiff 3 TUI Cruises Mein Schiff 4 TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	Superfast Ferries	Superfast 356
TUI Cruises Mein Schiff 3  TUI Cruises Mein Schiff 4  TUI Cruises Mein Schiff 5  TUI Cruises Mein Schiff 6  Viking Cruises Viking Star	TUI Cruises	Mein Schiff 1
TUI Cruises Mein Schiff 4  TUI Cruises Mein Schiff 5  TUI Cruises Mein Schiff 6  Viking Cruises Viking Star	TUI Cruises	Mein Schiff 2
TUI Cruises Mein Schiff 5 TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	TUI Cruises	Mein Schiff 3
TUI Cruises Mein Schiff 6 Viking Cruises Viking Star	TUI Cruises	Mein Schiff 4
Viking Cruises Viking Star	TUI Cruises	Mein Schiff 5
· ·	TUI Cruises	Mein Schiff 6
Viking Cruises Viking Sea	Viking Cruises	Viking Star
	Viking Cruises	Viking Sea

Seabourn Cruise Line Seabourn Pride

Fire Security also provides cable fire protection for tankers, industrial plants, oil installations, tunnels and high rise buildings.









Holland America Line Volendam

























Costa Crociere



Costa Fascinosa









P&O Cruises























January 11, 2006

To Whom It May Concern:

Carnival Cruise Lines is the world's largest cruise operator and over the past six years the company has protected cabling in high fire risk areas throughout its fleet using Fire Security's highly effective coating systems.

The company plans to continue use Fire Security's products on its future newbuilding projects.

Fire Security products are used in a variety of engine room spaces, specifically the separator rooms, incinerator flat, emergency generator and Azipod rooms.

The safety and security of Carnival's guests and crew is of the utmost importance so it is vital to use a company that possesses a solid reputation in the industry and offers products that can perform at high levels in extreme temperatures. In addition, we require a product that would allow us to continue normal service, regardless of the surrounding environment and temperature.

Since Fire Security met all our expectations and demands with regards to organization and products, Carnival contracted with them to complete the remaining vessels in our fleet.

Carnival is very pleased how Fire Security assisted our company in these various projects and can offer Fire Security and their coatings our highest recommendation.

Best Regards

B.W. Swensen

Vice President, Technical Operations

Carnival Cruise Lines

CARNIVAL CRUISE LINES, CARNIVAL PLACE, 3655 NW 87 AVENUE, MIAMI, FLORIDA 33178-2428 EXECUTIVE OFFICES: (305) 599-2600



Sandefjord, 16.09.2005

To: Whom it may concern

#### Fire Security Coating

Color Line is one of the leading cruise- and ferry operators in Scandinavia.

On all our vessels we have protected the cables in high risk areas, such as engine rooms, purifier rooms etc. by using the products of Fire Security.

In August 2005 we experienced a fire in the main engine room on board one of our vessels. Lighting fixtures and smoke detectors melted completely, nevertheless the consequences were insignificant.

Over a short period temperatures were extreme until the local fire protection system -Hifog - extinguished the fire. The cables were found to be in normal working order and there was no need for any cable replacements as a result of this incident.

We assign this fortunate outcome to the products of Fire Security, which allowed the ship to continue it's normal service.

We are pleased to give Fire Security and their coatings our best recommendation.

Best regards for COLOR LINE MARINE AS

Johann Martinussen

Superintendent, Electric & Automation

Color Line Marine AS, Leif Weldingsvei 6, P.O. Box 2090, 14-3202 Sandelford, Norway. Tel.: +47:33:44:77:00. Fax: +47:33:46:49:80.
E-mail: marine@colorline.no. Enterprise/VAT No 961:592:720

FS Page 6 FS Page 7



### Certified Sustainable Cable Maintenance

FS offer certified sustainable solutions to extend cable life and avoid electrical fire, using non-toxic materials.

Save Lives / Save Costs / Save The Environment

Our products have been approved by leading classification societies and authorities including U.S. COAST GUARD, IMO MED D & IMO MED B, Lloyd's Register, Achilles, Bureau Veritas, DNV, RINA, NMA, ABS, FM and UL

























# Global headquarters

Skibåsen 20B, 4636 Kristiansand, NORWAY
Tel: +47 95 47 80 00 Fax: +47 38 02 15 31
Email: headquarter@fire-security.com
www.fire-security.com

