

**Introducing**  
**Raychem SeaLAN**  
**Ethernet Cables**

## KEY FEATURES

MIL-DTL-24643/59 through /61 constructions qualified

Waterblocked and non-waterblocked constructions

Waterblocked constructions meet water tightness requirements when tested with ASTM D1411 sea water solution

Shielded and unshielded constructions

Lightweight

Flexible

## DESCRIPTION

MIL-DTL-24643 has been the governing specification for low smoke, zero-halogen insulated and jacketed shipboard cables used by the United States Navy and other military marine applications.

Raychem SeaLAN family of waterblocked and non-waterblocked Ethernet cables, as described in MIL-DTL-24643/59 through /61, are qualified to meet the rigorous requirements of flammability, smoke emissions and halogen content. Waterblocked constructions meet severe waterblocking and humidity resistance requirements.

## APPLICATIONS

Cables are used in Ethernet applications for:

- Military Vessels - MIL-DTL-24643/59, /60 and /61
- Freighters
- Tankers
- Cruise Ships

## ELECTRICAL

Meets the electrical requirements of ANSI/TIA 568-B.2

## MATERIALS

Shielded Cables: Foamed polyethylene dielectrics

Unshielded Cables: Solid polyethylene

Low Smoke, zero-halogen Jacket

## STANDARDS & SPECS

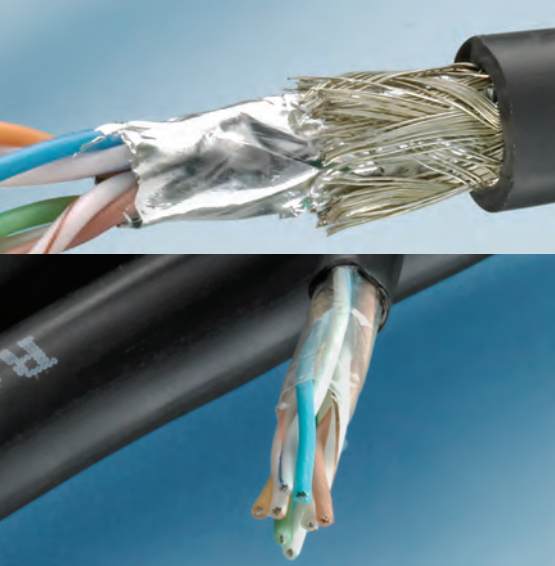
Raychem Specification 1200

Raychem Specification 345

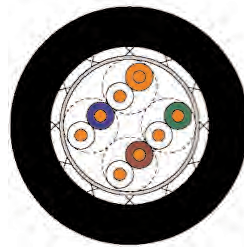
MIL-DTL-24643/59 through /61

# Raychem SeaLAN Ethernet Cables

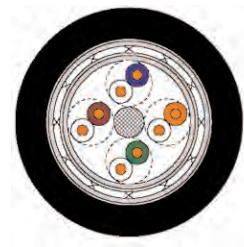
## PRODUCT OFFERING



MIL Spec Part Description	Type	Tyco Electronics Description	Cable Description
M24643/59-01UO	LSC5FS-4	CEC-RWC-18982	24 AWG, solid bc, Al/polyester and drain wire
M24643/59-02UO	LSC5FSW-4	CEC-RWC-18983	Waterblocked, 24 AWG, solid bc, Al/polyester and drain wire
M24643/59-03UO	LSC5OS-4	CEC-RWC-18700	24 AWG, solid bc, Al/polyester and woven braid
M24643/59-04UO	LSC5OSW-4	CEC-RWC-18600	Waterblocked, 24 AWG, solid bc, Al/polyester and woven braid
M24643/60-01UN	LSC5-4	CEC-RWC-18709	24 AWG, solid bc
M24643/60-02UN	LSC5W-4	CEC-RWC-18710	Waterblocked, 24 AWG, solid bc
M24643/61-01UN	LSC5P-4	CEC-RWC-19043	24 AWG, stranded tc
M24643/61-02UD	LSC5POS-4	CEC-RWC-18886	24 AWG, stranded tc, Al/polyester and woven braid
M24643/61-03UD	LSC5POSR-4	CEC-RWC-19172	26 AWG, stranded tc, Al/polyester and woven braid



**CEC-RWC-18700**



**CEC-RWC-18600**



**CEC-RWC-18709**

## FOR MORE INFORMATION

### Technical Support

Internet: [www.tycoelectronics.com](http://www.tycoelectronics.com)  
E-mail: [newproducts@tycoelectronics.com](mailto:newproducts@tycoelectronics.com)

USA: 1-800-522-6752  
Canada: 1-905-470-4425  
Mexico: 1-800-733-8926  
C. America: 52-55-1106-0803  
South America: 55-11-2103-6000

Hong Kong: 852-2735-1628  
Japan: 81-44-844-8013

Great Britain: 44-208-420-8341  
France: 33-1-3420-8888  
Germany: 49-6251-133-0  
Italy: 39-011-4012-111  
India: 91-80-285-40800

**Tyco Electronics Corporation**  
Harrisburg, PA

**[tycoelectronics.com](http://tycoelectronics.com)**

©2008 by Tyco Electronics Corporation. All rights reserved.  
1-17734448-7 5M GADM/FP 9/08

RAYCHEM, SEALAN, TE LOGO and TYCO ELECTRONICS  
are trademarks.

 **Tyco Electronics**  
Our commitment. Your advantage.