

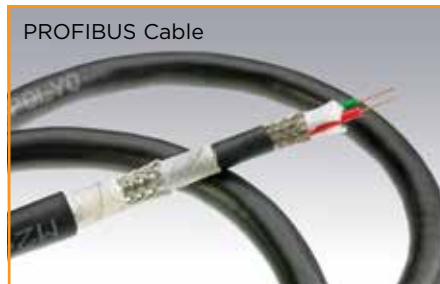


Raychem MIL-DTL-24643 Marine Cables

Low-Smoke, Zero-Halogen Cables for Shipboard Ethernet
and PROFIBUS Applications

Raychem MIL-DTL-24643 Marine Cables

Low-Smoke, Zero-Halogen Shipboard Cables



QUALIFIED

- MIL-DTL-24643/59 through /62
- Cat 5e Ethernet
- 12-Mb/s PROFIBUS

SEAWORTHY

- Designed for shipboard applications
- Waterblocked and nonwaterblocked versions
- Meets water tightness requirements when tested with ASTM D1411 synthetic seawater solution

SAFETY

- Low-smoke, zero-halogen jacket

EASY TO USE

- Waterblocked cables using tapes and yards improve flexibility and reduce size
- Lightweight
- Flexible for easier routing
- Compatible with industry-standard connectors

APPLICATIONS

- Military Vessels
- Freighters
- Tankers
- Cruise Ships

Increase shipboard safety with Raychem low-smoke, zero-halogen (LSZH) cables meeting MIL-DTL-24643. Our Ethernet and PROFIBUS cables are qualified to meet the rigorous requirements of flammability, smoke emissions and halogen content, with both nonwaterblocked or waterblocked constructions. The cables use Raychem ZEROHAL jackets.

SeaLAN Ethernet cables are Cat 5e cables for high-speed networking.

PROFIBUS cables meet the needs of industrial-like applications for control and monitoring of shipboard machinery.

MATERIALS

- **Insulation:** Foamed polyethylene (Shielded cables)
Solid polyethylene (Unshielded cables)
- **Shield:** Aluminum/polyester foil or tinned copper braid
- **Jacket:** Low smoke, zero halogen

ELECTRICAL

- Ethernet cables meet the Category 5e electrical requirements of ANSI/TIA 568-B.2
- PROFIBUS cables

STANDARDS AND SPECIFICATIONS

- Raychem Specification 1200
- Raychem Specification 345
- MIL-DTL-24643/59, 61, 62

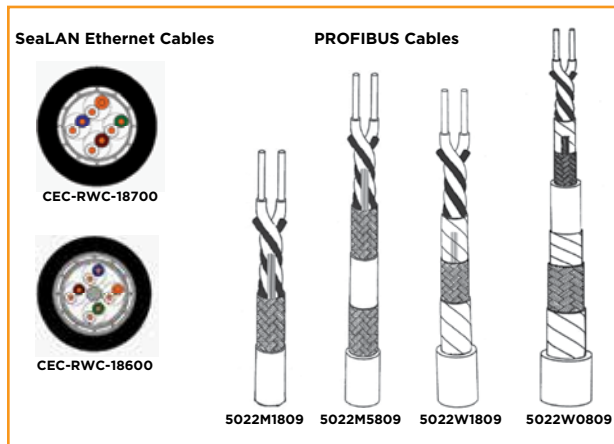
TE Components . . . TE Technology . . . TE Know-how . . .

AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem | Rochester | DEUTSCH
SEACON Phoenix | LL ROWE | Phoenix Optix | AFP | SEACON

Empower Engineers to Solve Problems, Moving the World Forward.



MIL-DTL-24643 Description	Type	TE Description	Cable Configuration
4-Pair Ethernet Cable			
M24643/59-01UO	LSC5FS-4	CEC-RWC-18982	24 AWG, Solid BC Foil Shield
M24643/59-02UO	LSC5FSW-4	CEC-RWC-18983	Waterblocked 24 AWG, Solid BC Foil Shield
M24643/59-03UO	LSC5OS-4	CEC-RWC-18700	24 AWG, Solid BC Foil and Braid Shields
M24643/59-04UO	LSC50SW-4	CEC-RWC-18600	Waterblocked 24 AWG, Solid BC Foil and Braid Shields
M24643/61-02UD	LSC5POS-4	CEC-RWC-18886	24 AWG, Stranded TC Foil and Braid Shields
1-Pair PROFIBUS Cable			
M24643/62-01	LSPB2SD-1	5022M1809	22 AWG, Solid BC Single Braid Shield
M24643/62-02	LSPB2SDW-1	5022W1809	Waterblocked 22 AWG, Solid BC Single Braid Shield
M24643/62-03	LSPB2SDOS-1	5022M5809	22 AWG Solid BC Double Braid Shield Double Jacketed
M24643/62-04	LSPB2SDOSW-1	5022W0809	Waterblocked 22 AWG, Solid BC Double Braid Shield Double Jacketed



LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. Just call your local support number or visit www.te.com/industrial to chat with a Product Information Specialist.

Technical Support

te.com/support-center

North America	+1 800 522 6752	Asia Pacific	+86 400 820 6015
North America (Toll)	+1 717 986 7777	Japan	+81 044 844 8180
EMEA/South Africa	+800 0440 5100	Australia	+61 2 9554 2695
EMEA (Toll)	+31 73 624 6999	New Zealand	+64 (0) 9 634 4580
India (Toll-Free)	+800 440 5100		

te.com/WireCable

AMP, AGASTAT, CII, DEUTSCH, HARTMAN, KILOVAC, LL ROWE, MICRODOT, NANONICS, POLAMCO, Raychem, SEACON, SeaLAN, ZEROHAL, TE, TE Connectivity and the TE connectivity (logo) are trademarks of the TE Connectivity Corporation. Other products, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE Connectivity (TE) has made every reasonable effort to ensure the accuracy of the information herein, nothing herein constitutes any guarantee that such information is error-free, or any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. The TE entity issuing this publication reserves the right to make any adjustments to the information contained herein at any time without notice. All implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose are expressly disclaimed. The dimensions herein are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice.

Consult TE for the latest dimensions and design specifications.

© 2017 TE Connectivity Corporation All Rights Reserved.

1-1773448-7 06/17