



Introducing
Raychem MIL-DTL-24643
ZEROHAL PROFIBUS
Cables



KEY FEATURES

MIL-DTL-24643/62 qualified

Waterblocked and non-waterblocked constructions

Meets water tightness requirements when tested with ASTM D1411 synthetic sea water solution

Suitable for transmission rates up to 12 Mb/s

Compatible with commercially available PROFIBUS connectors

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.

TE Connectivity's Raychem-brand ZEROHAL cables meeting the PROFIBUS standard, as described in MIL-DTL-24643/62, are qualified to meet the rigorous requirements to flame, smoke emissions, halogen content and severe water-blocking requirements.

APPLICATIONS

Cables are used in communications, machinery control monitoring and instrumentation for:

- Military vessels - MIL-DTL-24643/62
- Cruise ships
- Freighters
- Tankers
- Industrial Automation

ELECTRICAL

150 ohm impedance

Transmission rates up to 12 Mb/s

Attenuation (dB/100 m maximum)

2 MHz:	1.0 dB
4 MHz:	2.5 dB
16 MHz:	5.0 dB
100 MHz:	13.5 dB
300 MHz:	24.0 dB

MATERIALS

Foamed polyethylene components

Low smoke, ZEROHAL jacket

STANDARDS & SPECS

Raychem Specification 1200

Raychem Specification 345

MIL-DTL-26463/62

PRODUCT OFFERING

Military Part Number	Type	TE Part No.	Description
M24643/62-01	LSPB2SD-1	5022M1809	22 AWG, bare copper, non-water blocked, shield and jacket
M24643/62-02	LSPB2SDW-1	5022W1809	22 AWG, bare copper, water blocked, shield and jacket
M24643/62-03	LSPB2SDOS-1	5022M5809	22 AWG, bare copper, non-water blocked, two shields and two jackets
M24643/62-04	LSPB2SDOSW-1	5022W0809	22 AWG, bare copper, water blocked, two shields and two jackets



CABLE CONSTRUCTION

5022M1809



5022M5809



5022W0809



5022W1809

