



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 megabits
per second (Mbits/S)

Compatible with commer-
cially 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.

Tyco Electronics Raychem **Zerohal** PROFIBUS standard cables, 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, control and instrumentation for:

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

ELECTRICAL

150 ohm impedance

Transmission rates up to 12 Mbits/s

Attenuation (dB/100m 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

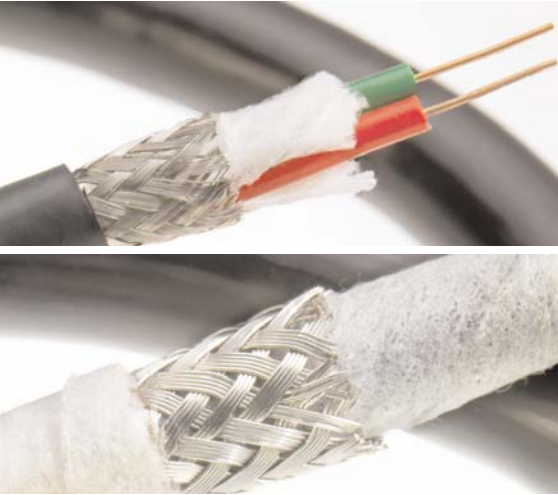


STANDARDS & SPECS

- Raychem Specification 1200

- Raychem Specification 345

- MIL-DTL-26463/62



PRODUCT OFFERING

Military Part Number	Type	Part Number	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



FOR MORE INFORMATION

Technical Support

Internet: www.tycoelectronics.com
E-mail: 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
UK: 44-208-420-8341

Tyco Electronics Corporation
Harrisburg, PA

tycoelectronics.com

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