

A close-up photograph of a multi-core marine cable connector. The connector is a circular, metallic component with a braided shield, showing numerous individual wire terminals arranged in a circular pattern. The cable itself is dark blue and has a braided shield. The background is a soft, out-of-focus blue.

Raychem Custom MIL-DTL-24640 Marine Cable

Lighter, Smaller, Low-Smoke Zero-Halogen Cabling Customized for
your Challenging Shipboard Applications

Raychem MIL-DTL-24640 Custom Marine Cables

Cables Customized for Challenging Shipboard Applications



MORE CHOICE

- Wide range of wires, shielding, insulations
- Full range of custom cable options available
- Optimized shielding for the harshest EMI environments

CONVENIENT

- Consolidate individual cables for various applications, including weapons systems
- Save weight and space by combining data and power cables in the same bundle

SAFE

- Low-smoke, zero-halogen (LSZH) jacketing

CUSTOMIZED PERFORMANCE

- Waterblocked cables using tapes and yards improve flexibility and reduce size
- Lightweight, advanced insulation options
- Size and weight savings

EASY TO OBTAIN

- Work directly with TE design specialists
- Prototype samples available upon request
- Small minimums on most configurations

Customized cabling for shipboard applications need to meet the requirements for rugged, reliable performance, size and weight savings, and most importantly, safety.

TE Connectivity (TE) meets those needs and more with low smoke zero-halogen cables custom made for a variety of marine applications.

Packaging the ideal combination of control, lighting, signal, and power cables into a single LSZH-jacketed bundle can safely save time, money, and weight while satisfying MIL-DTL-24640 qualifications.

Custom design cabling systems to meet your requirements for

- Abrasion resistance
- Flexibility
- Fluid resistance
- LSZH performance
- Water blocking
- Nuclear, biological and chemical resistance

TE gives you more choice in conductor materials, optimized shielding options, jacket insulations and components to help create the advanced cabling solutions you need for the most challenging shipboard applications and environmental conditions.

Applications

Cables can be used for a variety of applications including:

- Control
- Lighting
- Signals
- Power

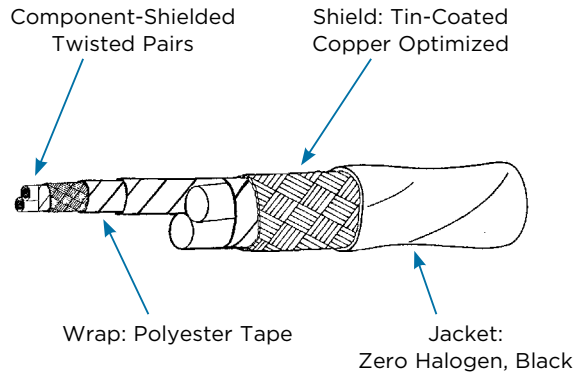
Standards and Specifications

- Qualified source for MIL-DTL-24640/1 through /18 marine cables
- Qualified source for AS81044/5 through /13 hook-up wire
- Raychem Specification 345

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

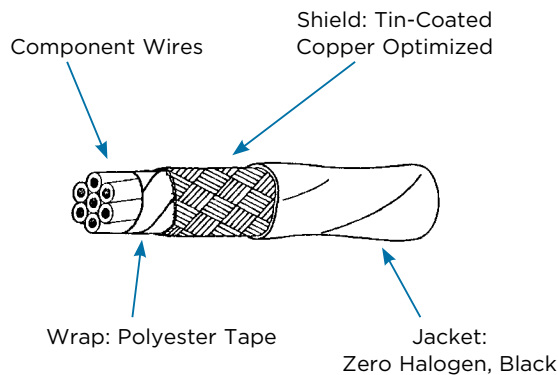
Empower Engineers to Solve Problems, Moving the World Forward.



Component: Shielded Twisted Pairs
Shield: Tin-Coated Copper, Optimized
Jacket: Zero Halogen, Black
Wrap: Polyester Tape

Cable Construction, Twisted Pairs – 22 AWG

Part No.	Type No.	No. Pairs	Overall Shield Strand Size (AWG)	Dia. Over Shield (Nom.)	Jacket Thickness (Min.)	Cable Dia.		Cable Weight (lb./1000 ft., max.)
						Min.	Max.	
345M09B-22-6	2XS0-3	3	32	.289	.038	.380	.410	117.0
345M09B-22-14	2XS0-7	7	32	.386	.041	.474	.510	184.0
345M09B-22-20	2XS0-10	10	32	.503	.044	.594	.640	262.0
345M09B-22-28	2XS0-14	14	34	.547	.044	.636	.686	301.0
345M09B-22-38	2XS0-19	19	34	.615	.044	.709	.765	383.0
345M09B-22-60	2XS0-30	30	34	.781	.047	.869	.937	554.0



Component Wires
Shield: Tin-Coated Copper, Optimized
Jacket: Zero Halogen, Black
Wrap: Polyester Tape

Cable Construction, Individual Pairs – 16 AWG

Part No.	Type No.	No. Pairs	Overall Shield Strand Size (AWG)	Dia. Over Shield (Nom.)	Jacket Thickness (Min.)	Cable Dia.		Cable Weight (lb./1000 ft., max.)
						Min.	Max.	
345M10B-16-2	MXSO-2	2	30	.195	.034	.282	.304	76.4
345M10B-16-9	MXSO-9	9	32	.335	.041	.424	.458	180.0
345M10B-16-21	MXSO-21	21	32	.460	.044	.552	.596	329.0
345M10B-16-37	MXSO-37	37	34	.555	.044	.644	.694	497.0

LET'S CONNECT

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te.com/WireCable

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Consult TE for the latest dimensions and design specifications.

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