Section II

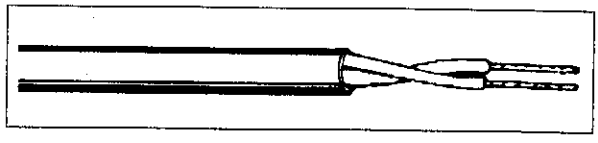
MIL-C-24640

TYPE DX, DXA

MIL-C-24640/1
Nonwatertight, Power Supply

APPLICATION:

These two conductor power cables are suitable for nonwatertight, nonflexing service. They are available with or without armor. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These cables shall be used only for runs within one compartment or within two contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. ASSEMBLY: Two conductors cabled, Overall binder tape.
4. OVERALL JACKET: Cross-linked polyolefin, surface marking.

DXA, same construction with braided aluminum armor.

Type and Size	Military Part Number M24640/1	Number of Cond.	Overall Armor	Cond. Size & Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps	Approx. Weight Lbs./Ft.
DX-3	-01UN	2	No	16 AWG (19/29)	0.031	0.223	0.241	13	.0394
DX-4	-02UN	2	No	14 AWG (19/27)	0.034	0.266	0.286	22	.0568
DXA-3	-01AN	2	Yes	16 AWG (19/29)	0.031	0.273	0.291	13	.0544
DXA-4	-02AN	2	Yes	14 AWG (19/27)	0.034	0.316	0.336	22	.0738

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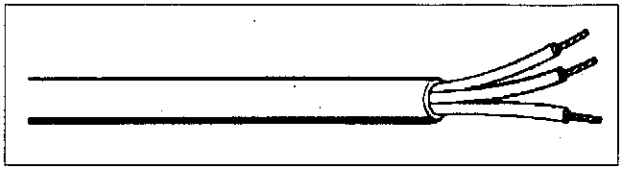
TYPE TX, TXA

MIL-C-24640/2
Nonwatertight, Power Supply

APPLICATION:

These three conductor power cables are suitable for nonwatertight, nonflexing service. They are available with or without armor. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These cables shall be used only for runs within one compartment or within two contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. ASSEMBLY: Three conductors cabled, Overall binder tape.
4. OVERALL JACKET: Cross-linked polyolefin, surface marking.

TXA, same construction with braided aluminum armor.

Type and Size	Military Part Number M24640/2	Number of Cond.	Overall Armor	Cond. Size & Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps	Approx. Weight Lbs./Ft.
TX-3	-01UN	3	No	16 AWG (19/29)	0.034	0.243	0.261	11	.0516
TX-4	-02UN	3	No	14 AWG (19/27)	0.038	0.288	0.310	18	.0756
TXA-3	-01AN	3	Yes	16 AWG (19/29)	0.034	0.293	0.311	11	.0676
TXA-4	-02AN	3	Yes	14 AWG (19/27)	0.038	0.338	0.360	18	.0946

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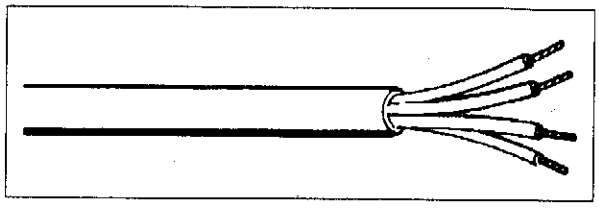
TYPE FX, FXA

MIL-C-24640/3
Nonwatertight, Power Supply

APPLICATION:

These four conductor power cables are suitable for nonwatertight, nonflexing service. They are available with or without armor. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These cables shall be used only for runs within one compartment or within two contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. ASSEMBLY: Four conductors cabled, Overall binder tape.
4. OVERALL JACKET: Cross-linked polyolefin, surface marking.

FXA, same construction with braided aluminum armor.

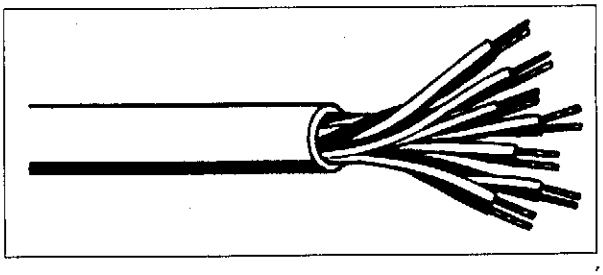
Type and Size	Military Part Number M24640/3	Number of Cond.	Overall Armor	Cond. Size & Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps	Approx. Weight Lbs./Ft.
FX-3	-01UN	4	No	16 AWG (19/29)	0.034	0.262	0.282	11	.0630
FX-4	-02UN	4	No	14 AWG (19/27)	0.038	0.311	0.335	18	.0926
FXA-3	-01AN	4	Yes	16 AWG (19/29)	0.034	0.312	0.332	11	.0800
FXA-4	-02AN	4	Yes	14 AWG (19/27)	0.038	0.361	0.385	18	.1126

TYPE TTX, TTXA

MIL-C-24640/4 (20 AWG)
Nonwatertight, Twisted Pair

APPLICATION:

These unshielded multipair constructions are suitable for nonwatertight, nonflexing service. They may be supplied either armored or unarmored. They may be used to interconnect audio, telephone, call bell, announcing, and alarm systems. They may also be used for other interior communication and weapon control system provided the ampere rating of the cable and voltage drop for the system are not exceeded. They shall be used only for runs within one compartment or within two contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. ASSEMBLY: The required pairs twisted and cabled consecutively, Overall binder tape.
4. OVERALL JACKET: Cross-linked polyolefin, surface marking.

TTXA, same construction with braided aluminum armor.

Type and Size	Military Part Number M24640/4	Number of Pairs	Overall Armor	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps Ind/Avg.*	Approx. Weight Lbs./Ft.
TTX-3	-01UN	3	No	0.038	0.296	0.320	5/4.0*	.0621
TTX-15	-02UN	15	No	0.044	0.549	0.591	5/0.6	.2210
TTXA-3	-01AN	3	Yes	0.038	0.346	0.370	5/4.0	.0821
TTXA-15	-02AN	15	Yes	0.044	0.599	0.641	5/0.6	.2754

*Ind/Avg. indicates the maximum current per conductor (Ind), and the maximum current (Avg.) per conductor when all conductors in the cable are used.

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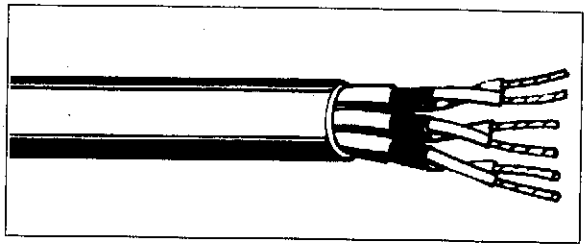
TYPE TTXS,TTXSA, TTXSO

MIL-C-24640/5 (20 AWG)
Nonwatertight, Shielded Pairs

APPLICATION:

These cables are 45 ohm individually shielded multi-pair constructions suitable for nonwatertight, non-flexing service. They are available both with and without armor or an overall shield. They may be used to interconnect electronic, communication, and instrumentation systems for radio frequency applications up to two megahertz. The maximum total copper operating temperature shall not exceed 75°C. The overall shielding of type TTXSO conforms to the surface impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. PAIR: Two conductors twisted to form pair.
4. SHIELD: Shielded with braided tinned copper, plus a tape shield isolation.
5. ASSEMBLY: The required number of pairs cabled consecutively, Overall binder, tape.
6. OVERALL JACKET: Cross-linked polyolefin, surface marking.

TTXSA, same construction with braided aluminum armor.
TTXSO, same construction as TTXS with additional overall tinned copper-braided shield.

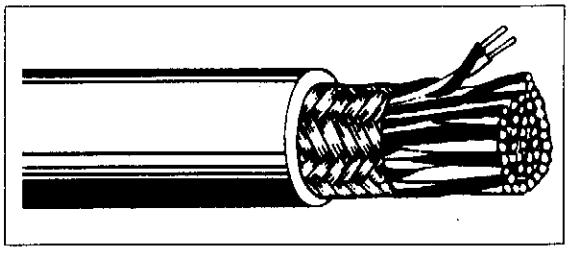
Type and Size	Military Part Number M24640/5	Number of Pairs	Overall Armor	Overall Shield	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approx. Weight Lbs./Ft.
TTXS-2	-01UN	2	No	No	0.038	0.335	0.361	.0743
TTXS-4	-02UN	4	No	No	0.041	0.393	0.424	.1150
TTXSA-2	-01AN	2	Yes	No	0.038	0.385	0.411	.1002
TTXSA-4	-02AN	4	Yes	No	0.041	0.443	0.474	.1504
TTXSO-2	-01UO	2	No	Yes	0.041	0.386	0.416	.1260
TTXSO-6	-02UO	6	No	Yes	0.044	0.506	0.546	.2160
TTXSO-8	-03UO	8	No	Yes	0.044	0.587	0.633	.2840
TTXSO-10	-04UO	10	No	Yes	0.044	0.627	0.675	.3110

TYPE 2XAO

MIL-C-24640/6 (22 AWG)
Nonwatertight, Overall Shielded, Pairs

APPLICATION:

These cables are overall shielded multipair constructions suitable for nonwatertight, nonflexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. PAIR: Two conductors twisted to form pair.
4. ASSEMBLY: The required number of pairs cabled consecutively, Overall binder tape.
5. SHIELD: Tinned copper-braid shield, (optional binder tape).
6. OVERALL JACKET: Cross-linked polyolefin, surface marking.

Type and Size	Military Part Number M24640/6	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
2XAO-2	-01UO	2	0.201	0.038	0.307	0.331	.0794
2XAO-7	-02UO	7	0.289	0.041	0.392	0.422	.1250
2XAO-10	-03UO	10	0.383	0.041	0.475	0.511	.1701
2XAO-18	-04UO	18	0.471	0.044	0.567	0.611	.2450
2XAO-40	-05UO	40	0.712	0.047	0.796	0.858	.4490

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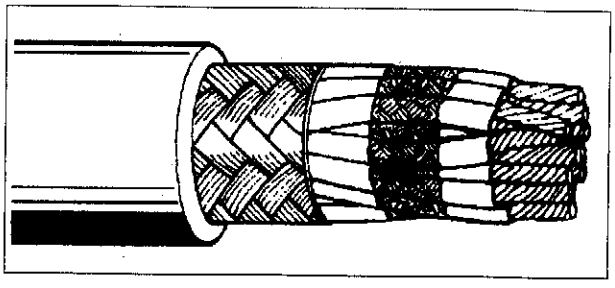
TYPE 1XMSO

MIL-C-24640/7 (22 AWG)
Nonwatertight, Shielded Component
Overall Shield

APPLICATION:

These cables are individually shielded, 55 ohm multiconductor constructions suitable for non-watertight, nonflexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. SHIELD: Individual conductors shielded with braided tinned copper, plus tape shield isolation.
4. ASSEMBLY: The required conductors cabled consecutively, (Overall binder tape).
5. Overall Shield with optional binder
6. OVERALL JACKET: Cross-linked polyolefin, surface marking.

Type and Size	Military Part Number M24640/7	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
1XMSO-7	-01UO	7	0.247	0.038	0.344	0.370	.1130
1XMSO-16	-02UO	16	0.379	0.041	0.471	0.507	.2080
1XMSO-70	-03UO	70	0.785	0.047	0.859	0.925	.6610

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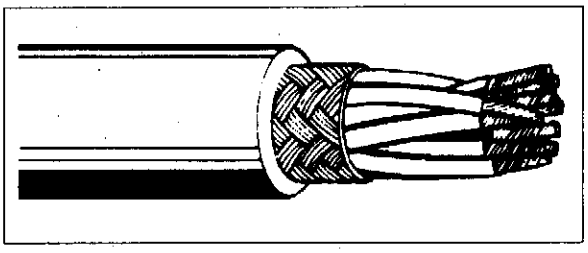
TYPE MXO

MIL-C-24640/8 (20 AWG)
Nonwatertight, Overall Shielded

APPLICATION:

These overall shielded multiconductor cables are suitable for nonwatertight, nonflexing service. They may be used for power, lighting, interior communication weapons control, and electronic systems; except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These cables shall be used only for runs within one compartment or within two contiguous compartments. They shall not be used to penetrate a watertight deck or bulkhead. The overall shielding conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. ASSEMBLY: Individual conductors cabled consecutively., Overall binder tape.
4. SHIELD: Overall braided tinned copper shield, (optional binder tape).
5. OVERALL JACKET: Cross-linked polyolefin, surface marking.

Type and Size	Military Part Number M24640/8	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
MXO-10	-01UO	10	0.253	0.038	0.349	0.377	.1180
MXO-14	-02UO	14	0.277	0.041	0.380	0.410	.1470

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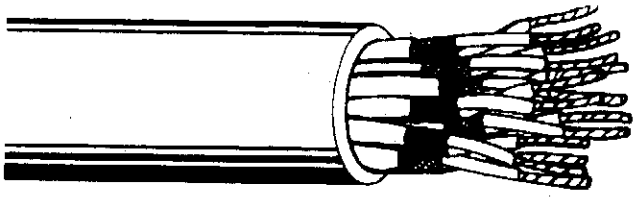
TYPE 2XS, XSA, 2XSO

MIL-C-24640/9 (22 AWG)
Nonwatertight, Shielded Pairs



APPLICATION:

These cables are 55 ohm individually shielded multipair constructions suitable for non-watertight, nonflexing service. They are available both with and without armor and an overall shield. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding of Type 2XSO conforms to the surface transfer impedance and EMP response requirements of the specification.

SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. PAIR: Two conductors twisted to form pair.
4. SHIELD: Shielded with braided tinned copper, plus a tape shield isolation.
5. ASSEMBLY: The required number of pairs cabled consecutively, (Overall binder tape).
6. OVERALL JACKET: Cross-linked polyolefin, surface marking.

2XSA, same construction with braided aluminum armor.
2XSO, same construction as 2XS with overall braided tinned copper shield.

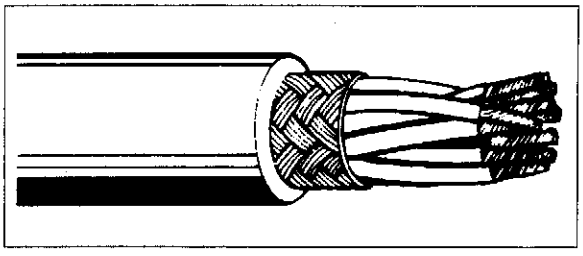
Type and Size	Military Part Number M24640/9	Number of Pairs	Overall Armor	Overall Shield Diameter IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approx. Weight Lbs./Ft.
2XS-2	-01UN	2	No	No	0.038	0.308	0.332	.0614
2XS-3	-02UN	3	No	No	0.038	0.325	0.350	.0742
2XS-7	-03UN	7	No	No	0.041	0.423	0.455	.1320
2XS-10	-04UN	10	No	No	0.044	0.537	0.579	.1920
2XS-14	-05UN	14	No	No	0.044	0.582	0.627	.2400
2XS-19	-06UN	19	No	No	0.044	0.644	0.694	.3080
2XS-24	-07UN	24	No	No	0.047	0.758	0.818	.3900
2XS-30	-08UN	30	No	No	0.047	0.804	0.866	.4680
2XSA-2	-01AN	2	Yes	No	0.038	0.358	0.382	.0814
2XSA-3	-02AN	3	Yes	No	0.038	0.375	0.400	.1017
2XSA-7	-03AN	7	Yes	No	0.041	0.473	0.505	.1761
2XSA-10	-04UN	10	Yes	No	0.044	0.587	0.629	.2285
2XSA-14	-05AN	14	Yes	No	0.044	0.632	0.677	.2800
2XSA-19	-06AN	19	Yes	No	0.044	0.694	0.744	.3595
2XSA-24	-07AN	24	Yes	No	0.047	0.808	0.868	.4428
2XSA-30	-08AN	30	Yes	No	0.047	0.854	0.916	.5313
2XSO-3	-01UO	3	No	0.271	0.038	0.380	0.410	.1170
2XSO-7	-02UO	7	No	0.373	0.041	0.474	0.510	.1840
2XSO-10	-03UO	10	No	0.487	0.044	0.594	0.640	.2620
2XSO-14	-04UO	14	No	0.541	0.044	0.636	0.686	.3010
2XSO-19	-05UO	19	No	0.607	0.044	0.709	0.765	.3830
2XSO-30	-06UO	30	No	0.777	0.047	0.869	0.937	.5540

TYPE MXSO

MIL-C-24640/10 (16 AWG)
Nonwatertight, Overall Shield

APPLICATION:

These cables are overall shielded multiconductor constructions suitable for nonwatertight, nonflexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar ® insulation jacket, (single conductors per MIL-W-81044/12).
3. ASSEMBLY: The required number of conductors cabled consecutively, Overall binder tape.
4. SHIELD: Tinned copper-braid shield, (optional binder tape).
5. OVERALL JACKET: Cross-linked polyolefin, surface marking.

Type and Size	Military Part Number M24640/10	Number of Conductors	Diameter Over Shield IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
MXSO-2	-01UO	2	0.175	0.034	0.282	0.304	.1800
MXSO-9	-02UO	9	0.325	0.041	0.424	0.458	.4970
MXSO-21	-03UO	21	0.456	0.044	0.552	0.596	.3290
MXSO-37	-04UO	37	0.562	0.044	0.644	0.694	.4730

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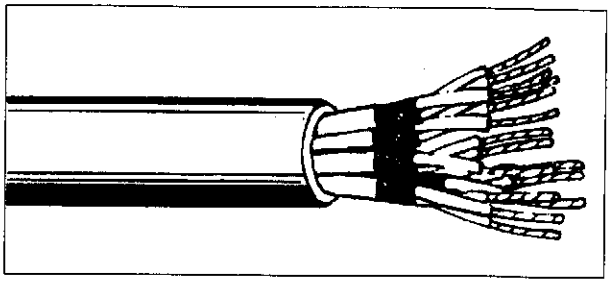
TYPE 3XS, 3XSA

MIL-C-24640/11 (18 AWG)
Nonwatertight, Shielded Triad

APPLICATION:

These cables are individually shielded, 40 ohm multitriad constructions suitable for nonwatertight, nonflexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. TRIAD: Three conductors cabled to form triad.
4. SHIELD: Shielded with braided tinned copper, plus a tape shield isolation.
5. ASSEMBLY: The required number of triads cabled consecutively, (Overall binder tape).
6. OVERALL JACKET: Cross-linked polyolefin, surface marking.

3XSA, same construction with braided aluminum armor.

Type and Size	Military Part Number M24640/11	Number of Triads	Diameter Over Shield IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./1000 Ft.
3XS-7	-01UN	7	No	0.044	0.601	0.647	.2890
3XSA-7	-01AN	7	Yes	0.044	0.651	0.697	.3419

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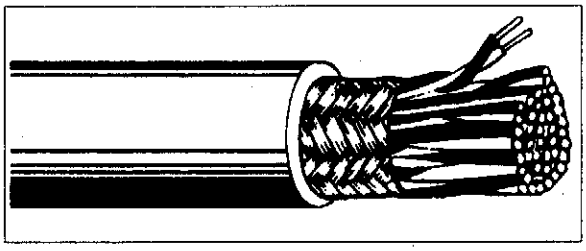
TYPE 2XO

MIL-C-24640/12 (26 AWG)
Nonwatertight, Overall Shielded, Pairs

APPLICATION:

These cables are overall shielded multipair constructions suitable for nonwatertight, nonflexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar ® insulation jacket, (single conductors per MIL-W-81044/12).
3. ASSEMBLY: Two conductors twisted to form pair, the required number of pairs cabled consecutively, (optional binder tape).
4. SHIELD: Tinned copper-braid shield, (Overall binder tape).
5. OVERALL JACKET: Cross-linked polyolefin, surface marking.

Type and Size	Military Part Number M24640/12	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
2XO-6	-01UO	6	0.220	0.038	0.305	0.329	.0816
2XO-18	-02UO	18	0.356	0.041	0.417	0.449	.1400
2XO-24	-03UO	24	0.420	0.044	0.473	0.509	.1710
2XO-42	-04UO	42	0.536	0.044	0.565	0.609	.2450
2XO-60	-05UO	60	0.622	0.047	0.641	0.691	.3120
2XO-77	-06UO	77	0.714	0.047	0.728	0.785	.3950

The Monroe Cable Company, Inc.

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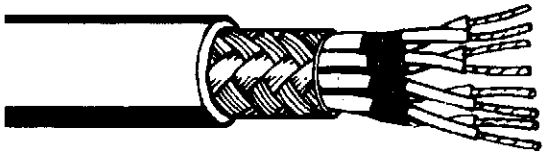
TYPE 2XSXO

MIL-C-24640/13 (26 AWG)
Nonwatertight, Individual and Overall Shielded Pair

APPLICATION:

These cables are individually shielded multipair constructions suitable for nonwatertight, nonflexing service. They have an additional overall shield and may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g. synchro, pulse, scale voltage) is required. The overall shielding conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. SHIELD: Two conductors twisted to form pair, shielded with braided tinned copper, plus a tape shield isolation.
4. ASSEMBLY: Four pairs cabled, binder tape, tinned copper braid shield, overall, (optional binder tape).
5. OVERALL JACKET: Cross-linked polyolefin, surface marking.

Type and Size	Military Part Number M24640/13	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
2XSXO-4	-01 UO	4	0.243	0.038	0.333	0.359	.1010

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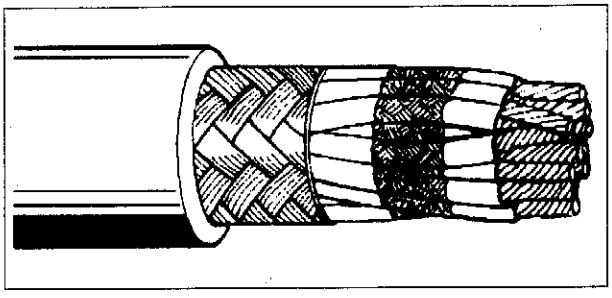
TYPE 1XSOW

MIL-C-24640/14 (22 AWG)
Watertight, Shielded Component
Overall Shield

APPLICATION:

These cables are individually shielded, 60 ohm multiconductor constructions suitable for watertight (25 psi), nonflexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar ® insulation jacket, (single conductors per MIL-W-81044/12).
3. SHIELD: Individual conductors shielded with braided tinned copper, plus tape shield isolation.
4. ASSEMBLY: The required conductors cabled consecutively, (Overall binder tape).
5. OVERALL SHIELD: Overall braided tinned copper shield, (Overall binder tape).
6. OVERALL JACKET: Cross-linked polyolefin, surface marking.

Type and Size	Military Part Number M24640/14	Number of Conductors	Diameter Over Shield IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
1XSOW-2	-01UO	2	0.173	0.034	0.292	0.314	.0830
1XSOW-14	-02UO	14	0.362	0.041	0.470	0.506	.2330
1XSOW-20	-03UO	20	0.429	0.044	0.542	0.584	.3070
1XSOW-30	-04UO	30	0.529	0.044	0.614	0.662	.4290

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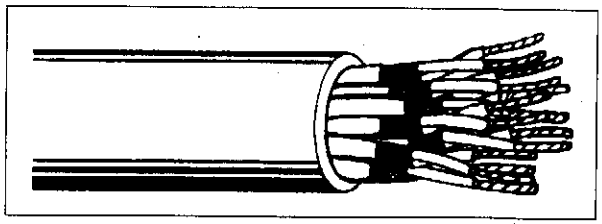
TYPE 2XSAW, 2XSAWA, 2XSAOW

MIL-C-24640/15 (22 AWG)
Watertight, Shielded Pair

APPLICATION:

These cables are 60 ohm individually shielded multi-pair constructions suitable for watertight (25 psi), nonflexing service. They are available both with and without armor or an overall shield. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding of Type 2XSAOW conforms to the surface impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. SHIELD: Two conductors twisted to form pair, shielded with braided tinned copper, plus a tape shield isolation.
4. ASSEMBLY: The required number of pairs cabled consecutively, (Overall binder tape).
5. OVERALL JACKET: Cross-linked polyolefin, surface marking.

2XSAWA, same construction with braided aluminum armor.
2XSAOW, same construction as 2XSAW with overall braided tinned copper shield.

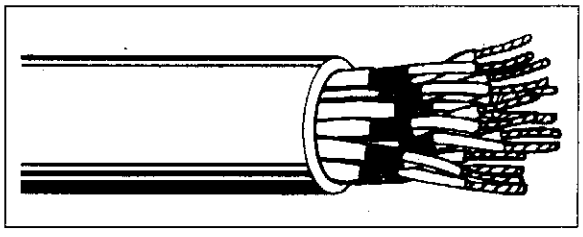
Type and Size	Military Part Number M24640/15	Number of Pairs	Overall Armor	Overall Shield Diameter IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approx. Weight Lbs./Ft.
2XSAW-3	-01UN	3	No	No	0.041	0.368	0.396	.1120
2XSAW-7	-02UN	7	No	No	0.041	0.461	0.497	.1950
2XSAW-14	-03UN	14	No	No	0.044	0.641	0.691	.3840
2XSAWA-3	-01AN	3	Yes	No	0.041	0.418	0.446	.1478
2XSAWA-7	-02AN	7	Yes	No	0.041	0.511	0.547	.2438
2XSAWA-14	-03AN	14	Yes	No	0.044	0.691	0.741	.4454
2XSAOW-3	-01UO	3	No	0.291	0.041	0.405	0.437	.1530
2XSAOW-7	-02UO	7	No	0.400	0.044	0.510	0.550	.2530
2XSAOW-10	-03UO	10	No	0.533	0.044	0.631	0.681	.3620
2XSAOW-14	-04UO	14	No	0.585	0.047	0.689	0.743	.4420
2XSAOW-19	-05UO	19	No	0.656	0.047	0.757	0.817	.5450
2XSAOW-24	-06UO	24	No	0.791	0.047	0.884	0.952	.7200
2XSAOW-30	-07UO	30	No	0.843	0.050	0.941	1.020	.8330
2XSAOW-37	-08UO	37	No	0.924	0.050	1.010	1.090	.9710

TYPE 2XSW, 2XSWA, 2XSOW

MIL-C-24640/16 (18 AWG)
Watertight, Shielded Pair

APPLICATION:

These cables are 45 ohm individually shielded multi-pair constructions suitable for watertight (25 psi), nonflexing service. They are available both with and without armor or an overall shield. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding of Type 2XSOW conforms to the surface impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. SHIELD: Two conductors twisted to form pair, shielded with braided tinned copper, plus a tape shield isolation.
4. ASSEMBLY: The required number of pairs cabled consecutively, (Overall binder tape).
5. OVERALL JACKET: Cross-linked polyolefin, surface marking.

2XSWA, same construction with braided aluminum armor.
2XSOW, same construction as 2XSW with overall braided tinned copper shield.

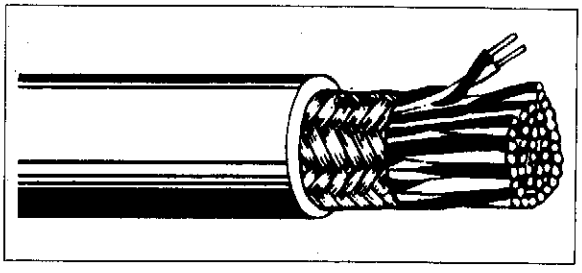
Type and Size	Military Part Number M24640/16	Number of Pairs	Overall Armor	Overall Shield Diameter IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approx. Weight Lbs./Ft.
2XSW-1	-01UN	1	No	No	0.034	0.240	0.258	.0529
2XSW-3	-02UN	3	No	No	0.044	0.436	0.470	.1670
2XSW-7	-03UN	7	No	No	0.044	0.573	0.617	.3180
2XSWA-1	-01AN	1	Yes	No	0.034	0.290	0.308	.0689
2XSWA-3	-02AN	3	Yes	No	0.041	0.486	0.520	.2104
2XSWA-7	-03AN	7	Yes	No	0.044	0.623	0.667	.3752
2XSOW-3	-01UO	3	No	0.374	0.041	0.487	0.525	.2270
2XSOW-7	-02UO	7	No	0.514	0.044	0.608	0.656	.4010
2XSOW-12	-03UO	12	No	0.702	0.047	0.802	0.864	.6260
2XSOW-19	-04UO	19	No	0.844	0.050	0.938	1.010	.8840
2XSOW-30	-05UO	30	No	1.080	0.057	1.180	1.270	1.378

TYPE 2XOW

MIL-C-24640/17 (26 AWG)
Watertight, Overall Shielded, Pairs

APPLICATION:

These cables are overall shielded multipair constructions suitable for watertight (25 psi), nonflexing service. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12).
3. ASSEMBLY: Two conductors twisted to form pair, the Overall number of pairs cabled consecutively, (optional binder tape).
4. SHIELD: Tinned overall braided-tinned copper shield, (optional binder tape).
5. OVERALL JACKET: Cross-linked polyolefin, surface marking.

Type and Size	Military Part Number M24640/17	Number of Pairs	Diameter Over Shield IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approximate Weight Lbs./Ft.
2XOW-6	-01UO	6	0.229	0.038	0.336	0.363	.1070
2XOW-18	-02UO	18	0.374	0.041	0.468	0.504	.2010
2XOW-24	-03UO	24	0.447	0.044	0.546	0.588	.2660
2XOW-42	-04UO	42	0.567	0.044	0.646	0.696	.3650
2XOW-60	-05UO	60	0.661	0.047	0.744	0.802	.4850
2XOW-77	-06UO	77	0.770	0.047	0.840	0.906	.6150

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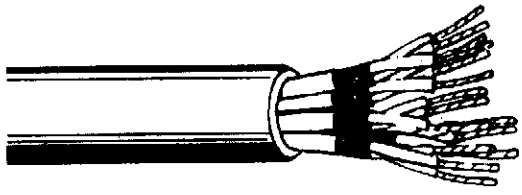
TYPE 3XSW, 3XSWA, 3XSOW

MIL-C-24640/18 (18 AWG)
Watertight, Shielded Triad

APPLICATION:

These cables are 45 ohm individually shielded multi-triad constructions suitable for watertight (25 psi), nonflexing service. They are available both with and without armor and an overall shield. They may be used to provide shielded circuits for combat systems, interior communications, lighting, and power, where shielding of 400 Hz (e.g., synchro, pulse, scale voltage) is required. The overall shielding of Type 3XSOW conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

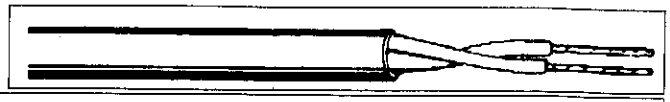
1. CONDUCTOR: Stranded tinned copper.
2. INSULATION: Extruded irradiation cross-linked polyalkene with irradiated Kynar® insulation jacket, (single conductors per MIL-W-81044/12)
3. SHIELD: Three conductors twisted to form triad, shielded with braided tinned copper, plus a tape shield isolation.
4. ASSEMBLY: The required number of triads cabled consecutively, (Overall binder tape).
5. OVERALL JACKET: Cross-linked polyolefin, surface marking.

3XSWA, same construction with braided aluminum armor.
3XSOW, same construction as 3XSW with overall braided tinned copper shield.

Type and Size	Military Part Number M24640/18	Number of Triads	Overall Armor	Diameter Over Shield IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approx. Weight Lbs./Ft.
3XSW-3	-01UN	3	No	No	0.041	0.472	0.508	.2020
3XSW-7	-02UN	7	No	No	0.044	0.620	0.668	.3870
3XSW-10	-03UN	10	No	No	0.047	0.803	0.865	.6130
3XSW-14	-04UN	14	No	No	0.047	0.873	0.941	.7700
3XSWA-3	-01AN	3	Yes	No	0.041	0.522	0.558	.2548
3XSWA-7	-02AN	7	Yes	No	0.044	0.670	0.718	.4581
3XSWA-10	-03AN	10	Yes	No	0.047	0.853	0.915	.7011
3XSWA-14	-04AN	14	Yes	No	0.047	0.923	0.991	.8727
3XSOW-3	-01UO	3	No	0.398	0.044	0.519	0.559	.2710
3XSOW-7	-02UO	7	No	0.547	0.044	0.659	0.711	.4720
3XSOW-10	-03UO	10	No	0.721	0.047	0.835	0.901	.7020
3XSOW-14	-04UO	14	No	0.800	0.047	0.898	0.968	.8600
3XSOW-19	-05UO	19	No	0.909	0.050	1.010	1.090	1.127
3XSOW-24	-06UO	24	No	1.080	0.057	1.200	1.300	1.489

TYPE DXW, DXWA, DXOW

MIL-C-24640/19
Watertight, Circuit Integrity Power Cable



APPLICATION:

These two conductor power cables are suitable for watertight (25 psi), nonflexing service. They are available with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the 1-hour flame circuit integrity requirement of this specification and the overall shielding of type DXOW conforms to the surface transfer impedance and EMP response requirements of the specification.

SPECIFICATIONS:

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass, Polyimide tape (Kapton®), and Polyimide-FEP tape with Polyimide coating.
3. ASSEMBLY: Two conductors twisted, Overall binder tape.
4. OVERALL JACKET: Cross-linked polyolefin, surface marking.

DXWA, same construction with braided aluminum armor.
DXOW, same construction as DXW with overall braided tinned copper shield.

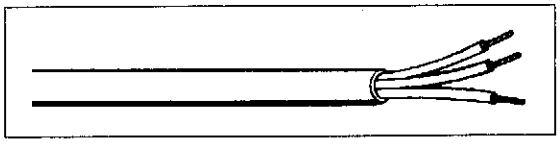
Type and Size	Military Part Number M24640/19	Overall Shield Diameter IN	Overall Armor	Cond. Size & Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps	Approx. Weight Lbs./Ft.
DXW-3	-01UN	No	No	16 AWG (7/24)	0.034	0.239	0.257	13	.0475
DXW-4	-02UN	No	No	14 AWG (7/22)	0.034	0.281	0.303	22	.0677
DXWA-3	-01AN	No	Yes	16 AWG (7/24)	0.034	0.289	0.307	13	.0665
DXWA-4	-02AN	No	Yes	14 AWG (7/22)	0.034	0.331	0.353	22	.0887
DXOW-3	-01UO	0.201	No	16 AWG (7/24)	0.034	0.294	0.316	13	.0881
DXOW-4	-02UO	0.237	No	14 AWG (7/22)	0.034	0.328	0.354	22	.1120

TYPE TXW, TXWA, TXOW

MIL-C-24640/20
Watertight, Circuit Integrity
Power Cable

APPLICATION:

These three conductor power cables are suitable for watertight (25 psi), nonflexing service. They are available with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the 1-hour flame circuit integrity requirement of this specification and the overall shielding of type TXOW conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Composite tape-wrapped insulation consisting of mica-glass, Polyimide tape (Kapton®), and Polyimide-FEP tape with Polyimide coating.
3. ASSEMBLY: Three conductors cabled. Overall binder tape.
4. OVERALL JACKET: Cross-linked polyolefin, surface marking.

TXWA, same construction with braided aluminum armor.
TXOW, same construction as TXW with overall braided tinned copper shield.

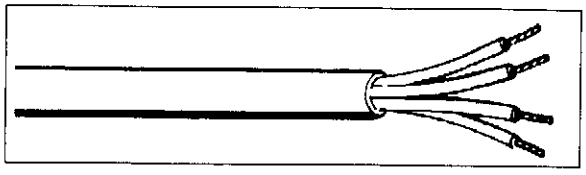
Type and Size	Military Part Number M24640/20	Overall Shield	Overall Armor	Cond. Size & Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps	Approx. Weight Lbs./Ft.
TXW-3	-01UN	No	No	16 AWG (7/24)	0.034	0.246	0.266	11	.057
TXW-4	-02UN	No	No	14 AWG (7/22)	0.038	0.292	0.314	18	.0870
TXWA-3	-01AN	No	Yes	16 AWG (7/24)	0.034	0.296	0.316	11	.0843
TXWA-4	-02AN	No	Yes	14 AWG (7/22)	0.038	0.342	0.364	18	.1253
TXOW-3	-01UO	Yes	No	16 AWG (7/24)	0.030	0.305	0.329	11	.1000
TXOW-4	-02UO	Yes	No	14 AWG (7/22)	0.038	0.343	0.369	18	.1300

TYPE FXW, FXWA, FXOW

MIL-C-24640/21
Watertight, Circuit Integrity
Power Cable

APPLICATION:

These four conductor power cables are suitable for watertight (25 psi), nonflexing service. They are available with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the 1-hour flame circuit integrity requirement of this specification and the overall shielding of type FXOW conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass, Polyimide tape (Kapton®), and Polyimide-FEP tape with polyimide coating.
3. ASSEMBLY: Four conductors cabled, Overall binder tape.
4. OVERALL JACKET: Cross-linked polyolefin, surface marking.

FXWA, same construction with braided aluminum armor.
FXOW, same construction as FXW with overall braided tinned copper shield.

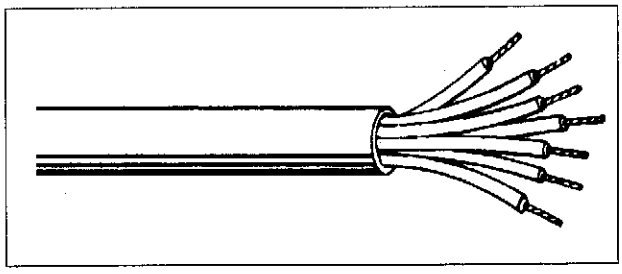
Type and Size	Military Part Number M24640/21	Overall Shield	Overall Armor	Cond. Size & Stranding	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps	Approx. Weight Lbs./Ft.
FXW-3	-01UN	No	No	16 AWG (7/24)	0.034	0.266	0.286	11	.0694
FXW-4	-02UN	No	No	14 AWG (7/22)	0.038	0.315	0.339	18	.1020
FXWA-3	-01AN	No	Yes	16 AWG (7/24)	0.034	0.316	0.336	11	.0949
FXWA-4	-02AN	No	Yes	14 AWG (7/22)	0.038	0.365	0.389	18	.1277
FXOW-3	-01UO	Yes	No	16 AWG (7/24)	0.034	0.324	0.350	11	.1060
FXOW-4	-02UO	Yes	No	14 AWG (7/22)	0.038	0.366	0.394	18	.1460

TYPE 7XW, 7XWA

MIL-C-24640/22
Watertight Circuit Integrity
Power Cable

APPLICATION:

These seven conductor power cables are suitable for watertight (25 psi), nonflexing service. They are available both with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the 1-hour flame circuit integrity requirement of this specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass, Polyimide tape (Kapton®), and Polyimide-FEP tape with Polyimide coating.
3. ASSEMBLY: Seven conductors cabled (Overall binder tape).
4. OVERALL JACKET: Cross-linked polyolefin, surface marking.

7XWA, same construction with overall braided aluminum armor.

Type and Size	Military Part Number M24640/22	Overall Armor	Conductor Size & Stranding	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps Ind/Avg.*	Approx. Weight Lbs./Ft.
7XW-3	-01UN	No	16 AWG (7/24)	0.038	0.315	0.339	15/11*	.1050
7XW-4	-02UN	No	14 AWG (7/22)	0.041	0.374	0.404	26/14	.1550
7XWA-3	-01AN	Yes	16 AWG	0.038	0.365	0.389	15/11	.1383
7XWA-4	-02AN	Yes	14 AWG (7/22)	0.041	0.424	0.454	26/14	.2081

*Ind/Avg indicates the maximum current per conductor (Ind), and the maximum current (avg) per conductor when all conductors in the cable are listed.

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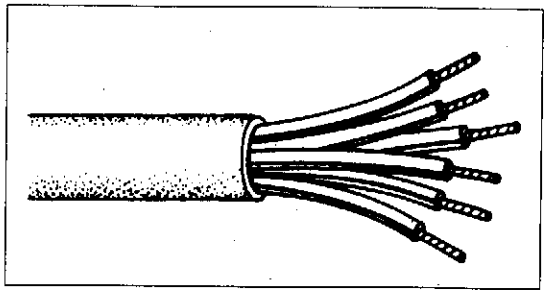
TYPE MXCW, MXCWA, MXCOWA

MIL-C-24640/23 (18 AWG)
Watertight Circuit Integrity
Control Cable

APPLICATION:

These multiconductor control cables are suitable for watertight (25 psi), nonflexing service. They are available both with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the 1-hour flame circuit integrity requirement of this specification and the overall shielding of type MXCOW conforms to the surface transfer impedance and EMP response requirements of the specification.



SPECIFICATIONS:

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass, Polyimide tape (Kapton®), and Polyimide-FEP tape with Polyimide coating.
3. ASSEMBLY: The required number of conductors cabled consecutively, (Overall binder tape).
4. OVERALL JACKET: Cross-linked polyolefin, surface marking.

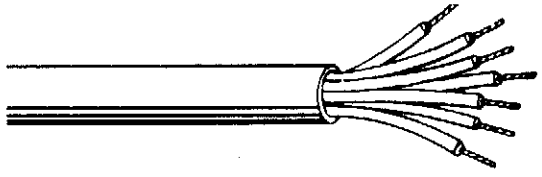
MXCWA, same construction with braided aluminum armor.
MXCOW, same construction as MXCW with overall braided tinned copper shield.

Type and Size	Military Part Number M24640/23	Number of Cond.	Overall Armor	Overall Shield Diameter IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps Ind/Avg.*	Approx. Weight Lbs./Ft.
MXCW-7	-01UN	7	No	No	0.038	0.295	0.319	12/8	.0870
MXCW-10	-02UN	10	No	No	0.041	0.375	0.405	12/8	.1360
MXCW-14	-03UN	14	No	No	0.041	0.402	0.434	12/8	.1660
MXCW-19	-04UN	19	No	No	0.041	0.440	0.474	12/8	.2088
MXCW-24	-05UN	24	No	No	0.044	0.520	0.560	12/6	.2810
MXCW-30	-06UN	30	No	No	0.044	0.547	0.589	12/6	.3250
MXCW-37	-07UN	37	No	No	0.044	0.584	0.630	12/6	.3840
MXCW-44	-08UN	44	No	No	0.044	0.565	0.708	12/5	.4720
MXCW-61	-09UN	61	No	No	0.047	0.729	0.785	12/4.5	.6120

*Ind./Avg indicates the maximum current per conductor (Ind), and the maximum current (Avg) per conductor when all conductors in the cable are used.

TYPE MXCW, MXCWA, MXCOWA

MIL-C-24640/23 (18 AWG) (continued)
Watertight Circuit Integrity
Control Cable



APPLICATION:

These multiconductor control cables are suitable for watertight (25 psi), nonflexing service. They are available both with or without armor or an overall shield. They may be used for power or control applications except where unusual circuit parameters (e.g., audio or radio frequency, microphone, syncho, etc.) require a special type of cable. These constructions meet the 1-hour flame circuit integrity requirement of this specification and the overall shielding of type MXCOW conforms to the surface transfer impedance and EMP response requirements of the specification.

SPECIFICATIONS:

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass, Polyimide tape (Kapton®), and Polyimide-FEP tape with Polyimide coating.
3. ASSEMBLY: The required number of conductors cabled consecutively, (Overall binder tape).
4. OVERALL JACKET: Cross-linked polyolefin, surface marking.

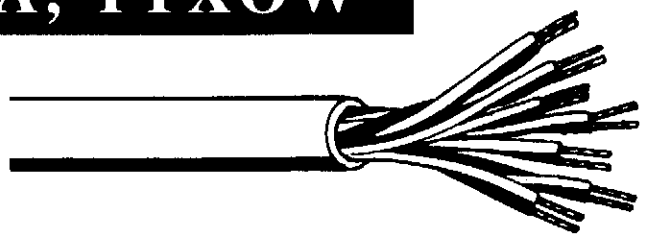
MXCWA, same construction with braided aluminum armor.
MXCOW, same construction as MXCW with overall braided tinned copper shield.

Type and Size	Military Part Number M24640/23	Number of Cond.	Overall Armor	Overall Shield Diameter IN	Minimum Jacket Thick. IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Max. Cond. Ampacity at 60 Hz 40°C Amps Ind/Avg.*	Approx. Weight Lbs./Ft.
MXCWA-7	-01AN	7	Yes	No	0.038	0.345	0.369	12/8*	.1100
MXCWA-10	-02AN	10	Yes	No	0.041	0.425	0.455	12/8	.1772
MXCWA-14	-03AN	14	Yes	No	0.041	0.452	0.485	12/6	.2158
MXCWA-19	-04AN	19	Yes	No	0.041	0.490	0.524	12/6	.2644
MXCWA-24	-05AN	24	Yes	No	0.044	0.570	0.610	12/6	.3370
MXCWA-30	-06AN	30	Yes	No	0.044	0.597	0.639	12/6	.3853
MXCWA-37	-07AN	37	Yes	No	0.044	0.634	0.680	12/6	.4529
MXCWA-44	-08AN	44	Yes	No	0.044	0.706	0.758	12/5	.5477
MXCWA-61	-09AN	61	Yes	No	0.047	0.779	0.835	12/4.5	.5640
MXCOW-7	-01UO	7	No	0.226	0.038	0.340	0.366	12/8	.1340
MXCOW-10	-02UO	10	No	0.297	0.041	0.415	0.447	12/8	.1840
MXCOW-14	-03UO	14	No	0.325	0.041	0.440	0.474	12/8	.2190
MXCOW-19	-04UO	19	No	0.370	0.041	0.477	0.515	12/8	.2670
MXCOW-24	-05UO	24	No	0.441	0.044	0.557	0.601	12/6	.3500
MXCOW-30	-06UO	30	No	0.469	0.044	0.584	0.630	12/6	.3990
MXCOW-37	-07UO	37	No	0.514	0.044	0.622	0.670	12/6	.4660
MXCOW-44	-08UO	44	No	0.585	0.047	0.697	0.751	12/5	.5530
MXCOW-61	-09UO	61	No	0.652	0.047	0.757	0.817	12/4.5	.6940

*Ind./Avg indicates the maximum current per conductor (Ind), and the maximum current (Avg) per conductor when all conductors in the cable are used.

TYPE TTXW, TTXWA, TTXOW

MIL-C-24640/24
Watertight Circuit Integrity (22 AWG)
Twisted Pair



APPLICATION:

These unshielded multipair constructions are suitable for watertight, nonflexing service. They may be supplied either armored or unarmored. They may be used to interconnect audio, telephone, call bell, announcing, and alarm systems. They may also be used for other interior communication and weapon control systems provided the ampere rating of the cable and voltage drop for the system are not exceeded.

SPECIFICATIONS:

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Composite tape wrapped insulation consisting of mica-glass, Polyimide tape (Kapton®), and Polyimide-FEP tape with Polyimide coating.
3. PAIR: Two conductors twisted to form pair.
4. ASSEMBLY: The required number of pairs cabled consecutively, (optional binder tape).
5. OVERALL JACKET: Cross-linked polyolefin, surface marking.

TTXWA, same construction with braided aluminum armor.
TTXOW, same construction as TTXW with overall braided tinned copper shield.

Type and Size	Military Part Number M24640/24	Number of Pairs	Overall Armor	Overall Shield Diameter IN	Minimum Jacket Thickness IN	Minimum Cable Diameter IN	Maximum Cable Diameter IN	Approx. Weight Lbs./Ft.
TTXW-1-1/2	-01UN	1-1/2	No	No	0.028	0.181	0.195	.0256
TTXW-3	-02UN	3	No	No	0.038	0.285	0.307	.0577
TTXW-5	-03UN	5	No	No	0.038	0.331	0.357	.0769
TTXW-10	-04UN	10	No	No	0.041	0.456	0.492	.1530
TTXW-15	-05UN	15	No	No	0.044	0.527	0.569	.2030
TTXW-20	-06UN	20	No	No	0.044	0.577	0.621	.2510
TTXW-30	-07UN	30	No	No	0.044	0.684	0.738	.3510
TTXW-40	-08UN	40	No	No	0.047	0.790	0.852	.4760
TTXWA-1-1/2	-01AN	1-1/2	Yes	No	0.028	0.231	0.245	.0406
TTXWA-3	-02AN	3	Yes	No	0.038	0.335	0.357	.0797
TTXWA-5	-03AN	5	Yes	No	0.038	0.381	0.407	.1073
TTXWA-10	-04AN	10	Yes	No	0.041	0.506	0.542	.1943
TTXWA-15	-05AN	15	Yes	No	0.044	0.577	0.619	.2416
TTXWA-20	-06AN	20	Yes	No	0.044	0.627	0.671	.2962
TTXWA-30	-07AN	30	Yes	No	0.044	0.734	0.788	.4072
TTXWA-40	-08AN	40	Yes	No	0.047	0.840	0.902	.5426
TTXOW-1-1/2	-01UO	1-1/2	No	0.127	0.031	0.253	0.273	.0386
TTXOW-3	-02UO	3	No	0.216	0.038	0.333	0.359	.0804
TTXOW-5	-03UO	5	No	0.263	0.038	0.376	0.406	.1060
TTXOW-15	-04UO	15	No	0.449	0.044	0.556	0.600	.2610
TTXOW-20	-05UO	20	No	0.510	0.044	0.614	0.662	.3280
TTXOW-30	-06UO	30	No	0.610	0.047	0.717	0.772	.4510
TTXOW-40	-07UO	40	No	0.720	0.047	0.823	0.887	.5890