

# TYPE 2XSAW, 2XSAWA, 2XSAOW

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

## APPLICATIONS:

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. (optional 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.

Anixter Number Type and Size	Military Part Number M24640/15	Number of Pairs	Overall Armor	Overall Shield Diameter	Minimum Jacket Thickness	Minimum Cable Diameter	Maximum Cable Diameter	Approx. Weight Lbs./Ft.
				IN	IN	IN	IN	
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

NOTE: Diameters and weights may vary between manufacturers.