

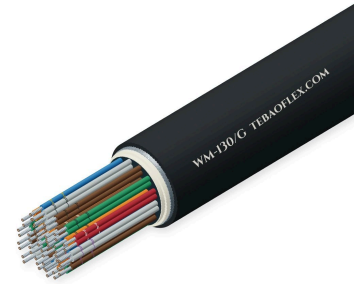


Control & signal cable

WM-130/G

Multi-Pair Neoprene-Jacketed Tactical Switchboard &

CECOM WM-130/G 300 V -55 to +80 °C 26-pair shielded neoprene tactical switchboard cable



U.S. Military WM-130/G

26-Pair (52-Core) Switchboard

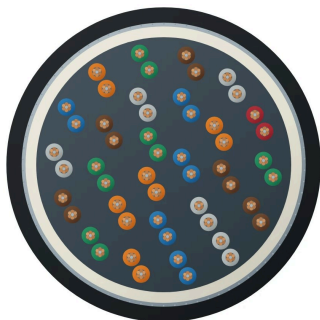
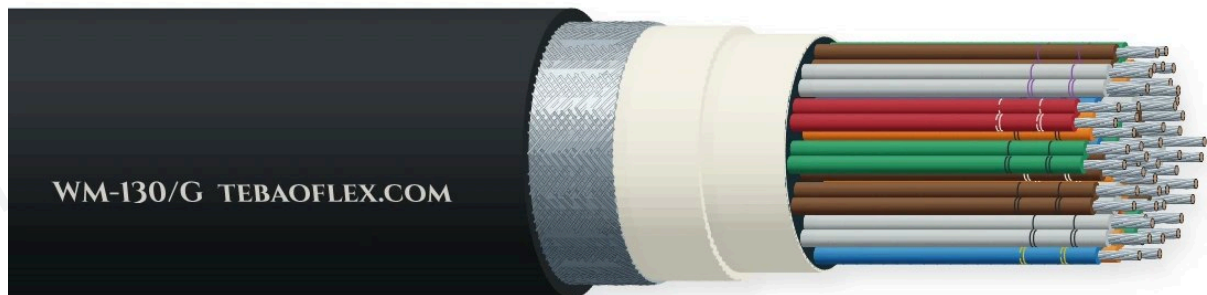
-55 °C to +80 °C Arctic Neoprene

Application

WM-130/G multi-pair neoprene-jacketed tactical switchboard cable (300 V, -55 to +80 °C, for CX-4566/G 26-pair trunks) with 6-26 twisted pairs (22/24 AWG tinned copper/alloy), PE/PP insulation, overall foil + braid shield, and arctic neoprene jacket.

Typical uses: Tactical Command Post & C4ISR Shelter Interconnects, CX-4566/G & J-1077/U 26-Pair Distribution Trunks, Mobile Air-Traffic Control & Radar Shelter Harnesses, Emergency Mobile Telecom & Disaster-Response Hubs, Defense Test Range Multi-Channel Instrumentation

Construction



Cross-section, not to scale

- 1 Stranded tinned copper / alloy pairs
- 2 Low-loss PE / PP primary insulation
- 3 Core bedding & moisture wrap
- 4 Overall foil + tinned Cu braid shield
- 5 Arctic polychloroprene (neoprene) jacket

Technical data

Typical values

Rated voltage	300 V RMS (1,500 V AC dielectric test)	Conductor DC resistance	≤ 55 Ω/km (22 AWG) · ≤ 88 Ω/km (24 AWG) at +20 °C
Mutual capacitance	≤ 65 nF/km at 1 kHz	Near-end crosstalk (NEXT)	≥ 60 dB at 1 kHz between any two pairs
Tactical operating temp.	-55 °C to +80 °C (-67 °F to +176 °F)	Arctic cold-flex rating	-55 °C mandrel bend without cracking
Standard pair count	26 twisted pairs (52 conductors) + 6/12/19 PR	Min. bending radius	8 × overall cable diameter (flexing)
Connector compatibility	U-185/G, U-186/G & MIL-DTL-55116 / 22992	Fuel, oil & solvent resistance	Heavy polychloroprene resists JP-8 & diesel
Flame, weather & fungus	Self-extinguishing, UV- & fungus-resistant	Standards	Cable WM-130/G (CX-4566/G) · TM 11-5805

Sizes

5 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Order designation	Cross-section / size	Conductor build	Wall ≈ mm	Outer Ø ≈ mm	Metal kg/km	Weight ≈ kg/km	Min. bend R fixed mm
Standard WM-130/G configurations 5 sizes							
☐ WM-130/G 26PR×22AWG (52C)	26 PR × 22 AWG (0.35 mm²)	Solid / Stranded Cu	2.00	18.20	204.6	465.0	146
☐ WM-130/G 26PR×24AWG (52C)	26 PR × 24 AWG (0.22 mm²)	Solid / Stranded Cu	1.80	16.40	156.2	355.0	132
☐ WM-130/G 19PR×22AWG (38C)	19 PR × 22 AWG (0.35 mm²)	Solid / Stranded Cu	1.76	16.00	158.4	360.0	128
☐ WM-130/G 12PR×22AWG (24C)	12 PR × 22 AWG (0.35 mm²)	Solid / Stranded Cu	1.50	13.60	112.2	255.0	110
☐ WM-130/G 6PR×22AWG (12C)	6 PR × 22 AWG (0.35 mm²)	Solid / Stranded Cu	1.19	10.80	70.4	160.0	88

– Outer diameters and weights are nominal engineering values for WM-130/G subject to standard manufacturing tolerances per U.S. Military CECOM / MIL-DTL-55021 / CX-4566 Cable WM-130/G Tactical Switchboard Trunk.

Electrical & rating data

5 sizes

Configuration	Max. DC R @ 20 °C Ω/km	Primary rating (A or nF/km)	Secondary rating	Dielectric test V AC rms
26 PR × 22 AWG (0.35 mm²)	55.00	4.0	3.4	2,000
26 PR × 24 AWG (0.22 mm²)	88.00	4.0	3.4	2,000
19 PR × 22 AWG (0.35 mm²)	55.00	4.0	3.4	2,000
12 PR × 22 AWG (0.35 mm²)	55.00	4.0	3.4	2,000
6 PR × 22 AWG (0.35 mm²)	55.00	4.0	3.4	2,000

– Electrical resistance at +20 °C and dielectric withstand voltages verified per U.S. Military CECOM / MIL-DTL-55021 / CX-4566 Cable WM-130/G Tactical Switchboard Trunk.

Standards and approvals

- ✓ U.S. Military CECOM / MIL-DTL-55021 / CX-4566 Cable WM-130/G Tactical Switchboard Trunk
- ✓ CE (2014/35/EU) & RoHS 3 (2015/863/EU) Compliant
- ✓ REACH SVHC Compliance Verified

Certifications



Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone

+86 185 9591 3361

Email

info@tebaoflex.com

Web

tebaoflex.com/cables/wm-130-g-multi-pair-neoprene-jacketed-tactical-switchboard-field-communication-cable



Typical values for this cable type, based on U.S. Military CECOM / MIL-DTL-55021 / CX-4566 Cable WM-130/G Tactical Switchboard Trunk. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.