



fiber optic cable series

CX-11230/G / CX-11230A/G

Tactical Twin-Coaxial Field

Tactical field twin-coaxial (and hybrid optical-coax) deployable communication cable



MIL-C-55036

Twin Coax + Tactical

-55 to +85 °C Field Reel

Application

CX-11230/G & CX-11230A/G Tactical Twin-Coaxial Field Communication Cable engineered with two miniature 50 Ω / 75 Ω braided coaxial cores (plus optional tactical G.657.A2 optical channels) under a cold-flexible -55 °C polyurethane or.

Typical uses: Tactical Command Post & Radar Links, Deployable Microwave & Troposcatter Dish, Mobile Defense & Emergency Telecom, Field Test Range Telemetry, Outdoor Broadcast & OB Van Trunking

Construction



Cross-section, not to scale

1 Stranded high-tensile coaxial centre conductors

2 Low-loss polyethylene coaxial dielectric

3 Individual coaxial RF braid shields

≥ 85 dB channel-to-channel crosstalk isolation

4 Aramid tensile yarn & non-hygroscopic fillers

Absorbs 1,100–1,800 N field reeling tension

5 Tactical matte PUR / Neoprene outer jacket

Technical data

Typical values

Characteristic impedance	50 Ω ± 2 Ω (or 75 Ω option per channel)	Mutual capacitance	≤ 101 pF/m (50 Ω) · ≤ 67 pF/m (75 Ω)
Attenuation @ 10 / 100 MHz	≤ 4.8 dB/100m @ 10 MHz · ≤ 16.5 dB/100m @ 100 MHz	Dielectric test voltage	2,000 V rms (core to shield, 1 min)
Operating temperature	-55 °C to +85 °C	Cold-bend flexibility	-55 °C mandrel wrap without jacket cracking
Storage temperature	-55 °C to +85 °C	Nominal outer diameter	8.4 mm ± 0.3 mm (0.330 in)
Max. pulling tension	1,100 N (CX-11230/G) · 1,800 N (CX-11230A/G)	Crush resistance	2,500 N / 100 mm (vehicle wheel-over resilient)
Min. bend radius	5 × OD (static) · 8 × OD (field reeling)	Hybrid optical option	2 × ITU-T G.657.A2 SM or OM3 MM (CX-11230-FO)
Optical attenuation (hybrid)	≤ 0.38 dB/km @ 1310 nm · ≤ 0.25 dB/km @ 1550 nm	Baseband TDM rate	Supports PCM/TDM telemetry up to 20.48 Mbps over coax
Oil, fuel & JP-8 jet fuel	ASTM D471 immersion resistant (PUR & Neoprene)	Weather, UV & fungus	MIL-STD-810G solar radiation, salt fog & fungus pass
Flame retardancy	IEC 60332-1-2 / UL VW-1 self-extinguishing	Standards	MIL-C-55036 & MIL-DTL-17 coaxial rules

Sizes

3 standard constructions

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

Order designation	Channel configuration & sheath	Outer Ø mm	Weight ≈ kg/km	Max. pull N	Impedance Ω
MIL-C-55036 Tactical Twin-Coaxial & Hybrid Field Cables 3 sizes					
☐ CX-11230/G	2 × Coax (TX/RX) · Neoprene Jacket	8.4	92	1,100	50
☐ CX-11230A/G	2 × Coax (TX/RX) · Arctic PUR Jacket	8.2	78	1,800	50
☐ CX-11230A/G-2FO	2 × Coax + 2 × G.657.A2 SM Fibre · PUR	8.6	82	1,800	50

– Supplied bulk on wooden drums or pre-terminated in 100 m, 300 m and 400 m field reel assemblies.

Standards and approvals

- ✓ MIL-C-55036 Tactical Cable
- ✓ MIL-STD-810G Environmental
- ✓ RoHS 2 & REACH Compliant

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/cx-11230-g-cx-11230a-g-tactical-twin-coaxial-field-communication-cable



Typical values for this cable type, based on MIL-C-55036 / MIL-DTL-17 / IEC 60794-2. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.