marine & offshore instrumentation cable

VG 95218-64 & VG 95218-66 (LFMGSSGO / LFMSGSSGO)

250 V Superscreen Nav



VG 95218-64 / 95218-66 · 150/250 V · Marine & offshore instrumentation cable

VG 95218-64 / 95218-66 | 150/250 V (-35 to +90 °C) | Cross-Linked Naval LSZH Outer Sheath

Application

VG 95218-64 & VG 95218-66 (LFMGSSGO / LFMGSSGO & LFMSGSSGO) 250 V Ultra-Thin-Wall Polyalkene Individually & Double Overall Copper-Braided Naval Combat System Switchboard Cable (VG 95218-64 / 95218-66, 150/250 V, -35 to +90 °C).

Typical uses: Offshore DCS, ESD & Fire-Gas Systems, Shipboard Bridge & Engine Room Automation, Drilling Rig Instrumentation & Mud Logging, Naval Radar, Sonar & Combat Switchboards

Construction





Cross-section, not to scale

1. Ultra-Thin Tinned Copper Triads (7×3×0.3
2. Individual Tinned Copper Braid Screen (T
3. Double Overall Tinned Copper Braid (SS)
4. Cross-Linked Naval LSZH Outer Sheath

Technical data

Typical values

Rated voltage / transmission duty	150/250 V (German Navy Standard VG 95218 Teil 64 (LFMGSSGO) & Teil 66 (LFMSGSSGO))	**Core / conductor construction**	Ultra-Thin Tinned Copper Triads (7×3×0.35 mm²) — 19-strand tinned copper with ultra-thin irradiated XLPO insulation
Primary dielectric / buffering	Individual Tinned Copper Braid Screen (Teil 66) — High-coverage tinned copper braid over each triad/pair unit	**Continuous operating temperature**	−35…+90 °C (shipboard & offshore duty)
Short-circuit / peak thermal rating	Verified thermal stability per German Navy Standard VG 95218 Teil 64 (LFMGSSGO) & Teil 66 (LFMSGSSGO)	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	Cross-Linked Naval LSZH Outer Sheath — Halogen-free low-smoke low-toxicity warship jacket	**Minimum bending radius**	6 × OD
Armour, screen & mechanical duty	Double Overall Tinned Copper Braid (SS) — Two concentric overall tinned copper braids for maximum EMP/EMC attenuation	**Flame, fire & smoke performance**	Qualified for marine flame-retardance and low-smoke zero-halogen / fire safety per German Navy Standard VG 95218 Teil 64 (LFMGSSGO) & Teil 66 (LFMSGSSGO)
Oil, drilling mud & seawater resistance	Resistant to marine fuel/lube oils, salt mist and offshore fluids per German Navy Standard VG 95218 Teil 64 (LFMGSSGO) & Teil 66 (LFMSGSSGO)	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	German Navy Standard VG 95218 Teil 64 (LFMGSSGO) & Teil 66 (LFMSGSSGO)		

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	Configuration	Core / stranding	Outer Ø ≈ mm	Net weight ≈ kg/km	Tensile rating kN ≈	Min. bend R mm
VG 95218-64 & VG 95218-66 (LFMGSSGO / LFMSGSSGO) Construction Schedule (−35…+90 °C) 3 sizes						
☐ **VG 95218-64 2×2×0.75 mm²**	**2 × 2 × 0.75 mm² (2Pr)**	**Stranded Cu/SnCu (IEC 60228 Class 2/5)**	**11.4**	**195**	**1.2**	**70**
☐ **VG 95218-64 4×2×1.0 mm²**	**4 × 2 × 1.0 mm² (4Pr)**	**Stranded Cu/SnCu (IEC 60228 Class 2/5)**	**15.6**	**365**	**2.4**	**95**
☐ **VG 95218-64 8×2×1.5 mm²**	**8 × 2 × 1.5 mm² (8Pr)**	**Stranded Cu/SnCu (IEC 60228 Class 2/5)**	**22.8**	**760**	**4.8**	**140**

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per German Navy Standard VG 95218 Teil 64 (LFMGSSGO) & Teil 66 (LFMSGSSGO).

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
2 × 2 × 0.75 mm² (2Pr)	**26.00**	**150/250 V (≤60 nF/km)**	**−35…+90 °C**
4 × 2 × 1.0 mm² (4Pr)	**19.50**	**150/250 V (≤65 nF/km)**	**−35…+90 °C**
8 × 2 × 1.5 mm² (8Pr)	**13.30**	**150/250 V (≤75 nF/km)**	**−35…+90 °C**

– Every production length undergoes routine conductor DC resistance, high-voltage dielectric or OTDR continuity and dimensional verification.

Standards and approvals

- VG 95218-64 / 95218-66 Compliant
- EN 10204 3.1 Factory Test Certificate
- CE, RoHS 2 (2011/65/EU) & REACH

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/vg-95218-64-vg-95218-66-lfmgssgo-lfmsgssgo

Typical values for this cable type, based on German Navy Standard VG 95218 Teil 64 (LFMGSSGO) & Teil 66 (LFMSGSSGO). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.