marine & offshore instrumentation cable

VG 95218-62 & VG 95218-63 (FMGSGO / FMSGSGO)

250 V Naval Radar & Fire

VG 95218-62 / 95218-63 · 150/250 V · Marine & offshore instrumentation cable



VG 95218-62 / 95218-63 | **150/250 V (-35 to +90 °C)** | **VG-Approved Cross-Linked LSZH Jacket**

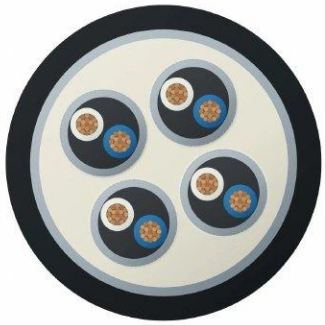
Application

VG 95218-62 & VG 95218-63 (FMGSGO / FMSGSGO) 250 V Naval Radar & Fire-Control Signal Cable (VG 95218-62 / 95218-63) engineered for 150/250 V service across -35 to +90 °C (min. bend radius 6 × OD).

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. Thin-Wall Tinned Copper Pairs (4×2×0.75
2. Individual Tinned Copper Braid per Pair
3. Overall Tinned Copper Braid EMC Screen
4. VG-Approved Cross-Linked LSZH Jacket

Technical data

Typical values

Rated voltage / transmission duty	150/250 V (German Navy Standard VG 95218 Teil 62 (FMGSGO) & Teil 63 (FMSGSGO))	**Core / conductor construction**	Thin-Wall Tinned Copper Pairs (4×2×0.75 mm²) — 19-strand tinned copper with thin-wall cross-linked polyolefin insulation
Primary dielectric / buffering	Individual Tinned Copper Braid per Pair (Teil 63) — Each twisted pair individually braided with tinned copper wires	**Continuous operating temperature**	−35…+90 °C (shipboard & offshore duty)
Short-circuit / peak thermal rating	Verified thermal stability per German Navy Standard VG 95218 Teil 62 (FMGSGO) & Teil 63 (FMSGSGO)	**Storage & transport temperature**	−40…+80 °C on export wooden/steel drum
Outer protection / armouring	VG-Approved Cross-Linked LSZH Jacket — Black flame-retardant fluid-resistant naval elastomer outer sheath	**Minimum bending radius**	6 × OD
Armour, screen & mechanical duty	Overall Tinned Copper Braid EMC Screen — Collective high-coverage tinned copper braid for warship EMC compliance	**Flame, fire & smoke performance**	Qualified for marine flame-retardance and low-smoke zero-halogen / fire safety per German Navy Standard VG 95218 Teil 62 (FMGSGO) & Teil 63 (FMSGSGO)
Oil, drilling mud & seawater resistance	Resistant to marine fuel/lube oils, salt mist and offshore fluids per German Navy Standard VG 95218 Teil 62 (FMGSGO) & Teil 63 (FMSGSGO)	**RoHS & REACH compliance**	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant
Standards	German Navy Standard VG 95218 Teil 62 (FMGSGO) & Teil 63 (FMSGSGO)		

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 95218-62 & VG 95218-63 (FMGSGO / FMSGSGO) Construction Schedule (−35…+90 °C) 3 sizes						
☐ VG 95218-62 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 95218-62 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 95218-62 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 62 (FMGSGO) & Teil 63 (FMSGSGO).

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 95218-62 / 95218-63 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-95218-62-vg-95218-63-fmgsgo-fmsgsgo

Typical values for this cable type, based on German Navy Standard VG 95218 Teil 62 (FMGSGO) & Teil 63 (FMSGSGO). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.