

FMSGGO VG95218T63

Halogen-free comm. cables for marine in acc. with VG 95218 part 63



For fixed installation on ships in all locations and on open decks. The definitions for installation in BV 3400 apply. The cables are certified from the Bundesamt für Ausrüstung, Informationstechnik und Nutzung der Bundeswehr (BAAINBw).

STANDARDS / APPROVALS



VG 95218-63

VG 95218-2

VG 95218-2

General

Fire performance

Chemical behaviour

CABLE DESIGN

| | |
|--------------------------|--|
| Conductor | Copper: plain, round stranded, in accordance with VG 95218 part 63 |
| Core insulation material | Cross-linked LSOH |
| Screen construction | Braiding |
| Screen material | Copper, bare |
| Material outer sheath | Crosslinked polymer |

ELECTRICAL PARAMETERS

| | |
|-----------------------|-----|
| Nominal voltage U [V] | 250 |
| Test voltage [kV] | 2 |

THERMAL PARAMETERS

| | |
|--|-----|
| Max. conductor temperature [°C] | 90 |
| Max. conductor temperature at short circuit [°C] | 250 |
| Ambient temperature fix installation (min) [°C] | -30 |
| Laying temperature (min) [°C] | -15 |

CHEMICAL PARAMETERS

| | |
|------------------|--------------------------------------|
| Flame retardant | In accordance with EN/IEC 60332-1-2 |
| - | In accordance with EN/IEC 60332-1-24 |
| Low smoke | acc. IEC/EN 61034-2 |
| Halogen free | acc. IEC/EN 60754-1/2 |
| Oil resistant | acc. IEC/EN 60811-404 |
| Ozone resistance | Yes |

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MECHANICAL PARAMETERS

| | |
|-----------------------------------|----------------------|
| Permanent tensile strength (rule) | 50 N/mm ² |
| Bending radius (rule) | 5 x OD |

SUSTAINABILITY COMMITMENT

Our commitment to a low-carbon future remains unwavering as we strive to create sustainable solutions while upholding quality standards. We prioritize sustainability and environmental protection in our daily operations, collaborating with local communities to ensure workplace safety and safeguard the areas we operate in.

Sustainability and environmental responsibility is evident also in our **packaging** solutions across the CEE region. We use fully recyclable drum cover foils to minimize environmental impact. Our packaging for rings is made from 30% recycled materials, supporting a circular economy. Additionally, our boxes are made from recyclable, environment-friendly cardboard, promoting eco-conscious choices. By choosing Prysmian, you are not only selecting high-quality products but also contributing to a greener future.

Check for more details about our sustainability commitment here: [Sustainability: report and responsibility](#).



CABLE PROPERTIES

| Basic construction | SAP code | External code | Diameter conductor [mm] | Cable diameter (min) [mm] | Cable diameter (max) [mm] | Cable weight [kg/km] |
|--------------------|----------|---------------|-------------------------|---------------------------|---------------------------|----------------------|
| 2x2x0.75 | 20026296 | T063A001 | 1.2 | 11.1 | 12.5 | 220 |
| 4x2x0.75 | 20001774 | T063A002 | 1.2 | 12.9 | 14.5 | 330 |
| 7x2x0.75 | 20026298 | T063A003 | 1.2 | 14.9 | 16.4 | 440 |
| 11x2x0.75 | 20026299 | T063A004 | 1.2 | 19.6 | 21.4 | 710 |
| 14x2x0.75 | 20026300 | T063A005 | 1.2 | 20.8 | 22.8 | 850 |
| 19x2x0.75 | 20026301 | T063A006 | 1.2 | 23.4 | 25.4 | 1,100 |
| 24x2x0.75 | 20154153 | T063A007 | 1.2 | 26.4 | 28.4 | 1,310 |

CABLE PROPERTIES ELECTRIC

| Basic construction | SAP code | External code | Current carrying capacity [A] | Short circuit current conductor (1sec) [kA] |
|--------------------|----------|---------------|-------------------------------|---|
| 2x2x0.75 | 20026296 | T063A001 | 8 | 0.1 |
| 4x2x0.75 | 20001774 | T063A002 | 6 | 0.1 |
| 7x2x0.75 | 20026298 | T063A003 | 5 | 0.1 |
| 11x2x0.75 | 20026299 | T063A004 | 4 | 0.1 |
| 14x2x0.75 | 20026300 | T063A005 | 3 | 0.1 |
| 19x2x0.75 | 20026301 | T063A006 | 3 | 0.1 |
| 24x2x0.75 | 20154153 | T063A007 | 2 | 0.1 |

The values of current carrying capacity are for continuous load at 45 °C ambient temperature, one cable installed on a surface.