

VG 95218 part 14 A

MMGSGSGO 6/10 kV



Medium voltage cables, screened, with sheath, halogen free, low fire hazard, part 14 A.

Application

These single-core medium-voltage cables are suitable for fixed installation on ships and off-shore units 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).

MMGSGSGO 6/10 kV	
Global data	
Type designation	MMGSGSGO
Standard	VG 95218 part 14
Design features	
Conductor	Copper, round stranded in acc. with VG 95218 part 14.
Insulation	Ethylene-propylene rubber (EPR).
Electrical field control	Inner and outer layer of semiconductive rubber compound.
Core identification	-
Individual screen	Copper wires wrapped in a traverse spiral and/or copper tapes.
Inner covering	Polyolefine compound, black.
Screen	Plain copper wire braid. Over the braid is a transparent foil.
Outer sheath	Compound from cross-linked polyolefine compound, colour: red.
Electrical parameters	
Rated voltage	6 / 10 / 12 kV (U ₀ / U / U _m)
AC test voltage	21 kV
Current carrying capacity description	The definitions in BV 3400 apply.

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Chemical parameters	
Smoke emission	According to VG 95218-2
Acidity of fire gases	According to VG 95218-2
Flame propagation	According to VG 95218-2
Resistance to oil	According to VG 95218-2
Resistance to chemicals	According to VG 95218-2
Thermal parameters	
Max. operating temperature of the conductor	90 °C
Ambient temperature for fix installation min.	-30 °C
Laying temperature min.	-15 °C
Mechanical parameters	
Max. tensile load on the conductor	50 N/mm ²
Bending radii min.	6 x D

Available cross sections are part of the standard. Single datasheets with more information are available upon request.