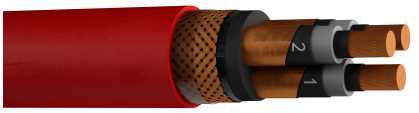
MMGSEGSGO 6/10kV
Power cables for marine in accordance with VG 95218 part 14 type B



Application

These three-core medium-voltage motor supply cables are suitable for pulse-type static inverter-fed- three-phase AC drives.
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 Bundesamt für Ausrüstung, Informationstechnik und Nutzung der Bundeswehr (BAAINBw).

Global data

Type designation	MMGSEGSGO
Standard	VG 95218 part 14

Design features

Conductor	Copper, round stranded in accordiance with VG 95218 part 14
Insulation	Ethylen-propylene rubber (EPR)
Electrical field control	Inner and outer layer of semiconductive rubber compound
Core identification	In accordance with VG 95218 part 14
Individual screen	Copper wires wrapped in a traverse spiral and/or copper tapes. The nominal cross-section of the screening is the sum of all individual core screens.
Inner covering	Polyolefine compound, black
Screen	Plain copper wire braid. Over the braid is a transparent foil.
Outer sheath	Compound from crosslinked polyolefine compound
Outer sheath colour	Red

Electrical parameters

Rated voltage	6 / 10 / 12 kV (U0 / U / Um)
AC test voltage	21 kV
Current Carrying Capacity description	The definitions in BV 3400 apply

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/mm²
Bending radii min.	6 x D

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Number of cores x cross section	Part number	MLFB Number	Desig-nation acc. to VG 95218-Txxx Dash No.	Conduc-tor diameter nom. mm	Outer diameter max. mm	Bending radius fixed min. mm	Weight (approx.) kg/km	Permis-sible tensile force max. N	Nominal operating capacitance µF/km	Induc-tance nom. mH/km	Current carrying capacity (1) A
3x35F/16		5BG5960	T014B001	8	52	312	3930	5250	0.3	0.3	137
3x50F/16		5BG5961	T014B002	9.5	55	330	4450	7500	0.33	0.28	167
3x70F/16		5BG5962	T014B003	11.2	59	354	5510	10500	0.38	0.27	214
3x95F/16	20300672	5BG5963	T014B004	13	64	384	6730	14250	0.42	0.26	259
3x120F/16		5BG5964	T014B005	14.6	68	408	7750	18000	0.46	0.25	301

(1) The values are for continuous load at 45 °C ambient temperature, one cable installed on a surface.
Rated voltage for FC-operation:
3.6/6/7.2 kV (Uo / U / Um)
FC-operation (for a link voltage of max. 6.8 kV) incl. harmonics:
4.16/15 kV (U/Ûmax.)

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