FMSGSGO VG95218T63

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



STANDARDS

VG 95218-63	General
VG 95218-2	Fire performance
VG 95218-2	Chemical behaviour

CABLE DESIGN

Marketing text 1	Copper: plain, round stranded, in accordance with VG 95218 part 63
Core insulation material	Cross-linked LS0H
Screen construction	Braiding
Screen material	Copper, bare
Material outer sheath	Crosslinked polymer

ELECTRICAL & THERMAL PARAMETERS

Nominal voltage DC U [V]	355
Test voltage [kV]	2
Max. operation temperature at conductor [°C]	90
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Min. Installation temperature [°C]	-15
Min. Operation temperature [°C]	-30

CHEMICAL PROPERTIES

Halogen free	acc. BS EN 60754-1/2
Low smoke	acc. BS EN 61034-2
Oil resistant	acc. IEC/EN 60811-404
Ozone resistance	Yes

MECHANICAL PARAMETERS

CABLE PROPERTIES

Basic construction	External code	Diameter conductor [mm]	Cable diameter (min) [mm]	Cable diameter (max) [mm]	Cable weight [kg/km]
2x2x0.75	FMSGSGO 2X2X0,75 (T63)	1.2	11.1	12.5	220
4x2x0.75	FMSGSGO 4X2X0,75 (T63)	1.2	12.9	14.5	330
7x2x0.75	FMSGSGO 7X2X0,75 (T63)	1.2	14.9	16.4	440
11x2x0.75	FMSGSGO 11X0,75 (T63)	1.2	19.6	21.4	710
14x2x0.75	FMSGSGO 14X2X0,75 (T63)	1.2	20.8	22.8	850
19x2x0.75	FMSGSGO 19X2X0,75 (T63)	1.2	23.4	25.4	1,100
24x2x0.75	FMSGSGO 24X2X0,75 (T63)	1.2	26.4	28.4	1,310

CABLE PROPERTIES ELECTRIC

Basic construction	External code	Current carrying capacity [A]	Short circuit current conductor (1sec) [kA]
2x2x0.75	FMSGSGO 2X2X0,75 (T63)	8	0.1
4x2x0.75	FMSGSGO 4X2X0,75 (T63)	6	0.1
7x2x0.75	FMSGSGO 7X2X0,75 (T63)	5	0.1
11x2x0.75	FMSGSGO 11X0,75 (T63)	4	0.1
14x2x0.75	FMSGSGO 14X2X0,75 (T63)	3	0.1
19x2x0.75	FMSGSGO 19X2X0,75 (T63)	3	0.1
24x2x0.75	FMSGSGO 24X2X0,75 (T63)	2	0.1

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