

MGGO VG95218T60

Halogen-free power cables for marine in acc. with VG 95218 part 60



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 95218-60	General
VG 95218-2	Fire performance
VG 95218-2	Chemical behaviour

CABLE DESIGN

Conductor	Copper: plain, round stranded, in accordance with VG 95218 part 60
Core insulation material	Cross-linked LS0H
Material outer sheath	Crosslinked polymer

ELECTRICAL PARAMETERS

Rated voltage U ₀ /U (Um)	0.6/1 (1.2) kV
Test voltage [kV]	3.5

THERMAL PARAMETERS

Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
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

MECHANICAL PARAMETERS

Permanent tensile strength (rule)	50 N/mm ²
Bending radius (rule)	5 x OD (4 x OD for F-types)

CABLE PROPERTIES

Basic construction	SAP code	External code	Diameter conductor [mm]	Cable diameter (min) [mm]	Cable diameter (max) [mm]	Cable weight [kg/km]
1X25	20181599	T060C005	6.6	10.7	12.4	326
1X50	20181600	T060C007	16.2	13.2	14.9	552
1X185F	20026137	T060C002	18.1	24.7	26.2	1,969

CABLE PROPERTIES ELECTRIC

Basic construction	SAP code	External code	Current carrying capacity [A]	Short circuit current conductor (1sec) [kA]
1X25	20181599	T060C005	150	3.58
1X50	20181600	T060C007	225	7.15
1X185F	20026137	T060C002	520	26.5

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