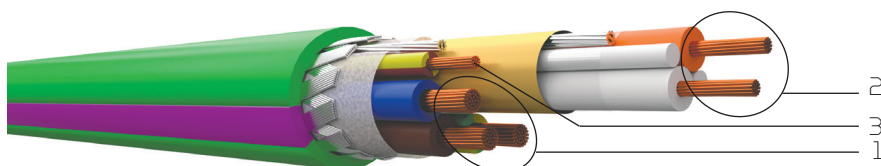


CANBUS HYBRID MARINE CABLE

CHMS (i) 250 V


Applications

Combined Power and CANbus cable optimized for maximum robustness and use on field products. Suitable for installation in maritime applications.

Type Approval Certificate

TAE00000EG

Standards

Conductor	IEC 60228.5
Construction	IEC 60092-376
Smoke Density	IEC 60754 -1,2
Halogen	IEC 601034
Flame	IEC 60332-3,24

Temperature range

-40 °C / +90 °C

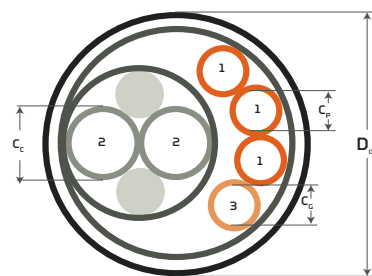
Voltage Range

150/250V

Construction	
OUTER JACKET	HFFR SHF1
MIN BENDING RADIUS FLEX	6 x Outer Diameter: DO
MIN BENDING RADIUS FIXED	5 x Outer Diameter: DO
OUTER JACKET COLOR	Green with violet stripe
POWER CONDUCTOR -1	
CONDUCTOR, STRANDED BARE CU CLASS 5	IEC 60228.5 Tinned on request
INSULATION OF 2.5MM ²	XLPE
INSULATION COLOR	Brown, Blue, Yellow/ Green
CANBUS -2	
CONDUCTOR, STRANDED BARE CU	IEC 60228.5 Tinned on request
INSULATION OF 0.75MM ²	XLPE
INSULATION COLOR	White, Orange
LAY LENGTH FILLERS IF NEEDED	75 mm
AL/PET FOIL	30mm
BRAIDING OF TINNED COPPER WIRES	>85% Covering
PET FOIL	30mm
CONDUCTOR FOR EQUAL EARTH POTENTIAL -3	
CONDUCTOR, STRANDED BARE CU	IEC 60228.5
INSULATION OF 0.75MM ²	XLPE
INSULATION COLOR	Yellow/red
LAYING AND ELEMENTS	
LAY OF CANBUS ELEMENTS AND POWER CONDUCTORS	75-100mm
FILLER YARNS	Yes
INNER JACKET	PET or Textile foil if needed
SCREENING	Tinned wire 0.2mm 85% covering

Electrical values CANbus

CAPACITANCE, APPROX.	50 nF/km
IMPEDANCE, APPROX.	120 Ohm
SPECIFIC RESISTANCE @20°C	26 Ohm/km



TYPE CODE	POWER CROSS SECTION CP (MM ²)	CAN_H/L CROSS SECTION CC (MM ²)	SIGN_GND CROSS SECTION CG (MM ²)	OUTER DIAMETER DO (MM)	WEIGHT (KG/KM)
ELTORQUE CHMS (i) 250 V 3G2.5+1X0.75+1X2X0.75	2.5	0.75	0.75	12.9 +/- 0.3	235

CANBUS HYBRID MARINE CABLE

ELTORQUE ACTUATOR CONNECTION			
NAME	COLOR	COLOR CODE	CONNECTION
INPUT CABLE			
SGND	Yellow / red	Y/r	In 1
CAN_H	orange	O	In 2
CAN_L	white	W	In 3
Power	Brown	Br	In L
Neutral	Blue	Bl	In N
PGND	Yellow /Green	Y/g	In G
OUTPUT CABLE			
SGND	Yellow / red	Y/r	Out 6
CAN_H	orange	O	Out 7
CAN_L	white	W	Out 8
Power	Brown	Br	Out L
Neutral	Blue	Bl	Out N
PGND	Yellow /Green	Y/g	Out G

For connection to actuator please see actuator user manual.

ELTORQUE SYSTEM INTEGRATION:

