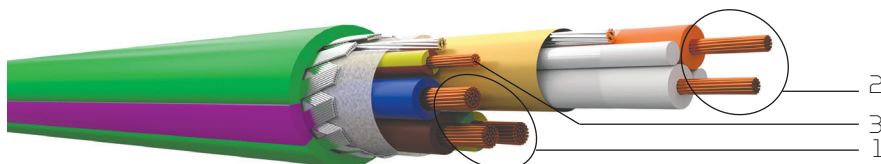


# CANBUS HYBRID MARINE CABLE

## 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**

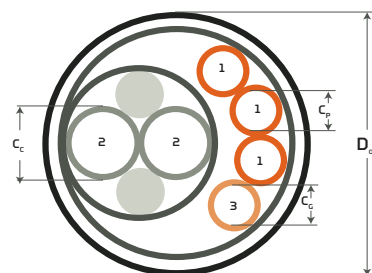
-40 °C /+90 °C

**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
<b>POWER CONDUCTOR -1</b>	
CONDUCTOR, STRANDED BARE CU CLASS 5	IEC 60228.5 Tinned on request
INSULATION OF 2.5MM2	XLPE
INSULATION COLOR	Brown, Blue, Yellow/ Green
<b>CANBUS -2</b>	
CONDUCTOR, STRANDED BARE CU	IEC 60228.5 Tinned on request
INSULATION OF 0.75MM2	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
<b>CONDUCTOR FOR EQUAL EARTH POTENTIAL -3</b>	
CONDUCTOR, STRANDED BARE CU	IEC 60228.5
INSULATION OF 0.75MM2	XLPE
INSULATION COLOR	Yellow/red
<b>LAYING AND ELEMENTS</b>	
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 (MM²)	CAN_H/L CROSS SECTION CC (MM²)	SIGN_GND CROSS SECTION CG (MM²)	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
<b>INPUT CABLE</b>			
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
<b>OUTPUT CABLE</b>			
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:

