Ships Telephone Cables FMGCH 250 V

halogen-free according to DIN 89 159/99

Technical data

- acc.to DIN 89159/ edition 1998 and IEC 60092-375
- **Operating temperature** at conductor max. +85°C
- **Nominal voltage** 250 V
- **Insulation resistance** 1400 MOhm x km
- **Minimum bending radius** 5x cable Ø

Cable structure

- Bare copper-conductor, to DIN VDE 0295 cl.2, multi-wire, BS 6360 cl.2, IEC 60228 cl.2
- HEPR core insulation (Hard grade EPR)
- Cores per pair blue/white, printed with numbers, starting in center with number 1
- Cores stranded in pairs with optimal lay-length
- Pairs stranded in layers with optimal lay-length
- Common sheath with foil wrapping
- Bare copper braided screen
- Foil wrapping
- Outher sheath of Polyolefin basis-compound
- Sheath colour green

Properties

- Flame retardant according to SOLAS definition (according to IEC 60332-3 category A)
- **Approved by**
  Association of German Electrical Engineer
  Germanischer Lloyd
  Lloyds Register of Shipping
  American Bureau of Shipping
  Det Norske Veritas
  Bureau Veritas, Russian
  Maritime Register of Shipping
  and Registro Italiano Navale are in preparation

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

For measurement, control, regulation, control and alarm systems; radio, positioning and messaging systems. For fixed installation on ships in rooms and on open decks.

Part no.	No.pairs x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
59138	1 x 2 x 0,75	8,5	62,0	90,0	18
59139	2 x 2 x 0,75	9,0	87,0	130,0	18
59140	4 x 2 x 0,75	13,0	153,0	230,0	18
59141	7 x 2 x 0,75	15,5	230,0	340,0	18

Part no.	No.pairs x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
59142	10 x 2 x 0,75	18,5	319,0	470,0	18
59143	14 x 2 x 0,75	21,0	445,0	610,0	18
59144	19 x 2 x 0,75	24,0	525,0	770,0	18
59145	24 x 2 x 0,75	27,0	663,0	950,0	18

Dimensions and specifications may be changed without prior notice. (RW01)

Suitable accessories can be found in Chapter X.

• Cable Gland - HSK-PVDF