Ships Telephone Cables FMGCH 250 V (FMGCG*)

halogen-free according to DIN 89 159/99

Technical data

- As per DIN 89159/ edition 1998 and IEC 60092-375
- **Temperature range** max. +85 °C conductor temperature
- **Nominal voltage** 250 V
- **Insulation resistance** 1400 MOhm x km
- **Minimum bending radius** approx. 5x cable ø

Cable structure

- Stranded, bare copper conductors to DIN VDE 0295 cl. 2, BS 6360 cl. 2 and IEC 60228 cl. 2
- HEPR core insulation (Hard grade EPR)
- Cores per pair, 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
- Separator-foil
- Bare copper braided screen
- Separator-foil
- Outher sheath, 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 Engineers 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)