



Caledonian

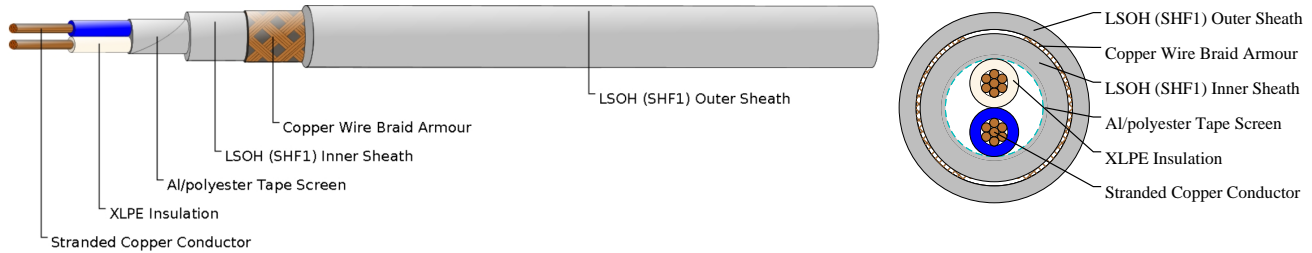
IEC60092 Offshore & Marine Cables

www.caledonian-cables.com

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TIOI (c)/ TIOU(c) (MRE-2X(St)HCH) 150/250V XLPE Insulated, LSOH (SHF1) Sheathed, Overall Screened & Armoured Flame Retardant Instrumentation & Control Cables 1P1

MRE-2X(St)HCH-1P1



APPLICATIONS

These armoured cables are used on board of ships in all locations for fixed installations complying with IEC standards 60092-352. These cables are flame retardant, low smoke & halogen free, suitable for installations on passenger ships, as on other commercial vessels.

STANDARDS

IEC 60092-350/360/376/IEC 60332-1

IEC 60332-3-22/IEC 60754-1/2/IEC 61034

CABLE CONSTRUCTION

Conductors: Class 2 stranded copper conductor.

Insulation: XLPE.

Cabling Element: Pair/Triple.

Overall Screen: Al/polyester tape.

Inner Sheath: LSOH (SHF1).

Armour: Copper wire braid.

Outer Sheath: LSOH (SHF1). SHF2 can be offered upon request.

COLOUR CODE

Pair: White/blue with printed pair number and core number.

PHYSICAL AND THERMAL PROPERTIES

Bending Radius for Fixed Installations: 6×OD

Temperature Range: -30°C ~ +80°C

DIMENSION AND PARAMETERS

| No. of Cores × Cross-sectional Area | Nominal Insulation Thickness | Nominal Inner Sheath Thickness | Nominal Outer Sheath Thickness | Nom. Overall Diameter | Approx. Weight |
|--|------------------------------|--------------------------------|--------------------------------|-----------------------|----------------|
| No.×mm ² | mm | mm | mm | mm | kg/km |



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| | | | | | |
|-------|-----|---|-----|------|-----|
| 1x2x1 | 0.5 | 1 | 0.8 | 10.7 | 170 |
|-------|-----|---|-----|------|-----|