

## Halogen Free Communication Cables with screen

250 V

### Type Approval Certificates

American Bureau of Shipping  
Bureau Veritas  
Det Norske Veritas  
Germanischer Lloyd  
Lloyd's Register of Shipping  
Registro Italiano Navale

### Applications

For fixed installations in communication, radio, control and data processing facilities on ships and offshore units in all locations and on open decks. The cables meet the flame test requirements for bunched cables acc.to IEC 60332-3 and IEEE 45-18.13, and perform to the SOLAS requirements.  
All cables materials are free of halogens. No off-splitting of corrosive gases occurs in case of fire. The off-splitting of toxic gases is minimized. Therefore, these cables are especially suitable for the installation on passenger ships.

Max cond. temperature: 85 °C

### Design

#### 1. Conductor

Stranded bare copper,  
(7 wires)  
class 2

#### 2. Insulation

XPPE  
(cross linked polyethylene)

#### 3. Laying up

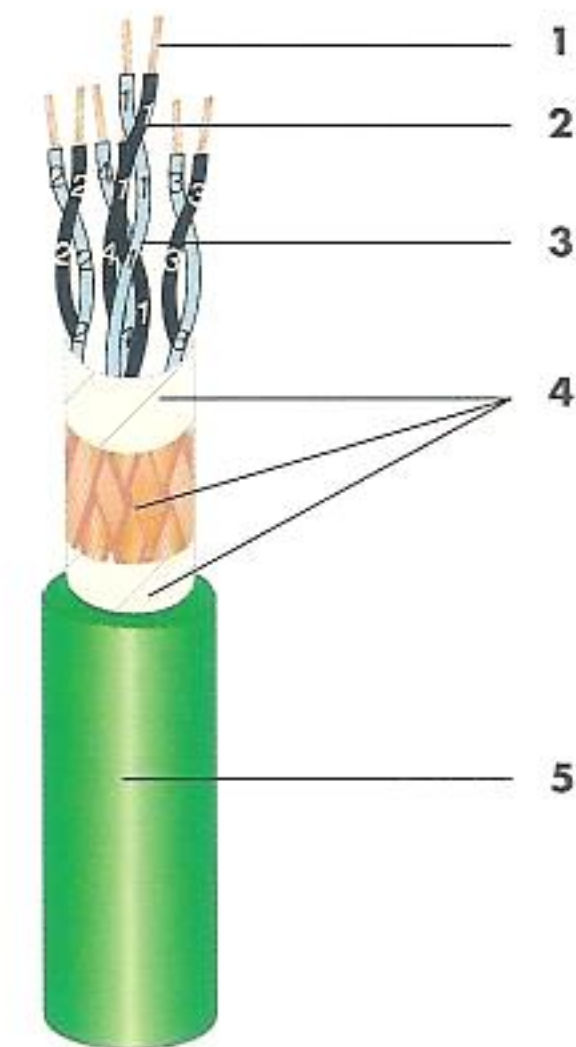
Pair stranding  
(2 pair cable=quad stranding)

#### 4. Armouring

Separator tape  
Bare copper braid  
Separator tape (optional)

#### 5. Outer sheath

Polyolefin  
Colour: green or black



### Marking

INEXANSI FMKHC 250 V 85 °C  
IEC 60092-375  
IEC 60332-3  
HALOGENFREE  
«n» x 2 x «s» mm<sup>2</sup>  
+ Metric Marking

“n”: number of cores

“s”: cross section

### Core Identification

Colour of each pair: black-blue  
The cores of each pair are printed with same numbers, starting in center with number 1  
2 pair cable (quad) black/brown/blue/grey.

### Standards

IEC 60092-375  
IEC 60332-3  
IEC 60754-1



Flame retardant  
IEC 60332-3  
IEEE 45-18.13



Low smoke  
IEC 61034



Halogen free  
IEC 60754-1



No toxicity  
IEC 60754-1



No corrosivity  
IEC 60754-2



Electro Magnetic  
Interference