



# WiFi connection

## Special solution for fast internet supply

### Key cable properties at a glance:

- Halogen free
- Flame retardant
- UV resistant
- ROHS compliant
- Approved for shipbuilding

Driven by the rapid development on the internet and ever greater demands for more bandwidth, LEONI has developed a cable solution that guarantees a seamless WiFi network where its use is especially concentrated; e.g. in stadiums, airports and shopping centres.

This newly developed, double-shielded, high-frequency cable (which can be used up to 600 MHz) fulfils the highest non-flammability requirements pursuant to IEC 60332-3-22 (Cat. A). Its flame-retardant FRNC jacket prevents the release of corrosive or caustic acids, there is only low smoke and the flame is not spread in the event of a fire. Thanks to this outstanding property, the cable can also be used in and is approved for the offshore sector.

**LEONI**

## Technical data

### Conductor

- Bare copper wire (23 AWG)  $\varnothing$  0.6 mm (0.024 in dia)
- Insulation of foamed Polyethylene (PE) with skin  $\varnothing$  1.43 mm (0.056 in dia)

### Core

- 2 wires twisted to a pair
- Alulamine foil overlapped, applied longitudinally
- 4 screened pairs

### Shield

- Shield braiding of tinned copper wires 0.1 mm dia (38 AWG)

### Jacket

- Thermoplastic copolymer (FRNC) BK
- $\varnothing$  7.8  $\pm$  0.2 mm (0.307  $\pm$  0.008 in dia)

### Characteristics

- Oil resistant acc. to IEC 60811-2-1 (4 hours / 70 °C)
- Flame retardant acc. to IEC 60332-1-2 and 60332-3-22 (Cat. A)
- Internal shipbuilding specification: CAT K 07-A
- RoHS compliant (directive 2011/65/EC)
- Corrosivity of fumes acc. to IEC 60754-2
- Smoke-density acc. to IEC 61034
- UV-resistant

### Type designation

- 02YS CH 4X2X0.6/1.4-100 PIMF

### Order number

- L45467-J416-C86