

Products for offshore applications



HUBER+SUHNER supplies components and system solutions for electrical and optical connectivity in the harsh environmental conditions experienced by the offshore industry.

The products feature exceptional performance, quality and durability. They ensure the reliable transmission of energy, signals and data even in demanding outdoor conditions.

Signal and energy transmission



RADOX® MFH-S B multi-core cables

- Extremely flexible
- Thin and lightweight
- Improved temperature properties
- Reduced installation/system cost
- For energy and signal transmission
- Enhanced fire safety features
- Enhanced vibration resistance
- Electron-beam crosslinked insulation
- DNV, ABS and BV certified



RADOX® 125 IEC individual cores

- Excellent high and low temperature and ozone resistance
- Halogen-free
- Flame-retardant
- High wear resistance, flexible
- Solder-resistant
- Simple to strip and use
- Electron-beam crosslinked insulation
- DNV, BV certified



RADOX® 4GKW

- Halogen-free
- Flame-resistant
- Fire properties according EN 45455
- Flame-resistant according to 60332-1/60332-3
- High voltage 1800/3000 V



RADOX® 9GKW

- Halogen-free
- Flame-resistant
- Fire properties according EN 45455
- Flame-resistant according to 60332-1/60332-3
- High voltage 3600/6000 V



Industrial communication



RADOX® Marine CAT5e

- Particularly robust thanks to larger cross-section
- For data transmission in high frequency ranges
- Halogen free and mud resistant to NEK TS 606
- Long service life due to high temperature resistance of the sheath material
- Excellent shielding properties
- DNV certified



RADOX® fiber optic cable

- Excellent bending radius at low temperatures
- Particularly wear resistant
- Meets the enhanced requirements of SHF2 (SHF mud)
- Fulfills the flame, fire, oil and drilling fluid resistance acc. NEK 606
- Resistant to high temperatures
- Easy installation due to low bending radii
- DNV certified



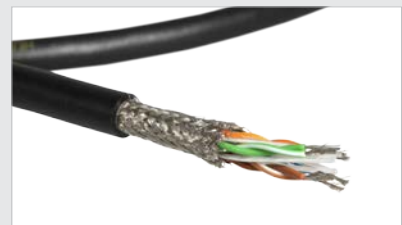
RADOX® Databus 120 Ω

- CAN technology
- Largely resistant to acids, oil and other chemical media
- Databus communication in ships
- Can be installed in dry and wet areas
- Can be used in tough industrial environments



RADOX® Milcat

- Cat. 5e performance
- Temperature resistant to -40 °C
- Very good wear resistance
- Flame-resistant
- Communication
- Extended possible uses: UV-resistance renders suitable for outdoor use
- Tough industrial environments



Industrial communication



RADOX® Milcat 7

- High speed data transmission 600 Mhz at 100 Ohm
- Resistance to acid, alkali, mud and weathering
- Can be fitted with M12 connectors
- Fixed and mobile installations
- Gigabit Ethernet for tough environments



Fiber optic connectors

- ODC-2/-4, Q-ODC-2, Q-ODC-12
- High number of fibers for rough ambient conditions
- QODC - robust push-pull connection mechanism - clear connection status (connected)
- ODC - screw connections
- Watertight IP67/68 (Q-ODC-12)
- Extension connectors for cable chains



Fiber optic cable systems

- Preassembled «plug&play» cable systems
- Wide temperature range
- IP67 protection during and after installation
- Can be configured with RADOX® fiber optic cables and fiber optic connectors for adverse ambient conditions
- 100 % tested, including documentation for every system



Lightning and EMP protection

- Covering many different frequency ranges
- Narrowband and broadband versions
- Lambda quarter (QWS) and gas discharge tube (GDT) technology
- PIM-stable versions
- Coax and data line protection



Industrial communication



Antennas

- Omnidirectional and directional antennas
- Multi-band or broadband antennas
- MIMO antennas
- Multi-service antennas
- IP protection classes
- Extremely impact-resistant housing
- Shock and vibration tested
- Customization



Radio frequency and microwave cables and assemblies

- Very good electrical properties
- Low smoke and flame retardant versions
- Mud-resistant versions
- Wide portfolio, from ultra-flexible to semi-rigid
- All common connectors series available



Radio frequency coaxial connectors

- All common connector series available
- Watertight versions (mated and/or unmated)
- High-performance and eco versions
- Customer specific designs possible (for example, for high pressures or hermetically sealed)
- Bespoke materials possible (stainless steel 316, etc.)



ATEX entry devices (series 9097)

- For use in Zone 1 (gas) or Zone 21 (dust)
- Configurations with N or TNC (outside enclosure) and SMA (inside enclosure)
- Available with metric or NPT thread
- Typical marking:
II 2G Ex db eb IIC T6...T5 Gb
II 2D Ex tb IIIC T85°C...T100°C Db



ATEX surge protective devices (series 9096)

- For use in Zone 2 (gas) or Zone 22 (dust)
- Available as GDT or QWS
- WLAN, GSM, TETRA, telemetry frequency ranges
- Typical marking:
II 3G Ex nA IIC T6...T5 Gc
II 3D Ex tc IIIC T85°C...T100°C Dc



Applications

The extensive range of high-quality products supports applications in particularly adverse ambient conditions.

- Indoor and outdoor installations
- EX zones 0, 1 and 2 and safe zone
- Fixed and mobile installations

Signal and energy transmission

- Switchgear cabinets
- Motor control consoles
- Switchgear
- Lighting

Industrial communication

- Control systems
- Monitoring systems
- CCTV
- Sensor applications including optical solutions
- WLAN or mobile communication connections



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