



Data Cables for CRITICAL INFRASTRUCTURE (KRITIS)

FUNCTIONALITY WHERE FAILURE IS NOT AN OPTION

THE SECURITY OF CRITICAL INFRASTRUCTURES STARTS WITH THE CABLE.

Our specialized cable portfolio for critical infrastructures meets the most extreme demands for reliability, safety, and international standard conformity.

We ensure the permanent and continuous availability of your vital systems across various sectors, including:

- **Highly Complex Vessels** > e.g., Cruise ships, ferries, car carriers (Ro-Ro ferries), modern freighters
- **Energy supply** > e.g., Wind parks, oil & gas extraction, LNG plants
- **Military facilities**
- **Transportation** > Airports, railways
- **Data Centers**
- **Security-Relevant Buildings** > e.g., Government buildings

Our cables form the essential backbone for operations where uninterrupted functionality is indispensable.

FIRE PROTECTION & SAFETY

We go beyond mere functional integrity (IEC 60331): Our cables not only secure power supply in the event of a fire but also ensure maximum overall safety and data transmission up to Cat 6a after 180 minutes of full fire exposure and water jet application (EN 50200):

- **MAXIMUM SAFETY** > Use of Low Smoke Zero Halogen (LSZH/LSHF) and low smoke emission materials.
- **NO CORROSION** > Prevents the formation of corrosive acids that can damage expensive electronics and the ship's structure.
- **CLEAR ESCAPE ROUTES** > No toxic smoke gases that impair vision and breathing.

OUR CABLES ENSURE RELIABLE CONNECTIVITY – EVEN UNDER THE HARSHTEST CONDITIONS ›

- **Certified** › Compliance with various IEC standards
- **Classified** › Holds shipbuilding approvals from leading societies (DNV, LR, ABS) and CPR compliant for the building automation
- **EMC-Safe** › Optimized, high-quality shielding effectively protects sensitive control systems against electromagnetic interference (EMI).
- **Robust Design** › Specifically designed for high vibration and stress in harsh industrial environments.



Cat 7 cable
for potentially explosive
atmospheres (SHF 1)

- › Acc. to DIN EN 60079-14
- › O2YSFCH 4X2X0.6/1.43-100 PIMF SW

Order no.: **L45467-J416-C796**



Cat 6A cable
for potentially explosive
atmospheres (PH180)

- › Acc. to DIN EN 60079-14 Annex C, IEC 60331-2, EN 50200 Appendix E
- › O2YS(FE)FC(FE)H 4X2X0.6/1.67-100 PIMF SW

Order no.: **L45467-J416-C966**



CCTV Cat 6 camera cable
for hazardous areas

- › Acc. to DIN EN 60079-14 Annex E
- › O2YSFC 4X2X0.60/1.43-100 PIMF LIH F11Y 3X1X1.5/2.2 GN

Order no.: **L45467-J416-C000**



Cat 6A cable specially
designed for sprinkler
systems (PH180)

- › IEC 60331-2 with insulation and functional integrity IEC 60331-2 Water spray (EN 50200) with insulation integrity
- › O2YS(FE)CKH 4X2X0.6/1.67-100 PIMF SW

Order no.: **L45467-J416-C1026**



Cat 7 cable with
CPR B2_{ca} approval (FE180)

- › Acc. to EN 50200, EN 50289-4-16 IEC 60331-23, IEC 60332-3-22 with insulation and functional integrity
- › O2YS(FE)CH 4X2X0.6/1.67-100 PIMF SW

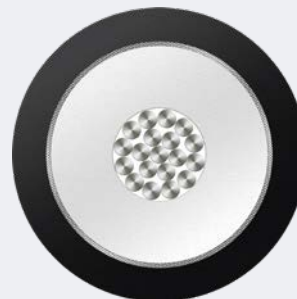
Order no.: **L45467-J416-C1116**



PROFIBUS cable
for hazardous areas

- › Acc. to DIN EN 60079-14 Annex C
- › O2YSH(ST)CH 1X2X0.75/2.55-150 LI BL FRNC

Order no.: **L45467-G17-C186**



RG coaxial cable
for hazardous areas

- › Acc. to DIN EN 60079-14 Annex C
- › Numerous RG types available
- › 2YCH xx/x.xx-xx LI VZN FRNC

Order no.: **on request**