



Draka



Shipboard cables with future prospects. We offer the optimum cable solutions for a variety of applications - certified by Germanischer Lloyd

Draka Shipboard Cables

You can trust the expertise of Draka Communications

Draka Communications - a member of Draka Holding N.V. located in Amsterdam - offers a versatile and reliable range of copper and optical fiber cables for the transmission in the data and telecommunication industry.

Our long-lasting expertise in cable and fiber business has been the basis for us holding a major market position today. Draka Communications is located in more than 30 countries in Europe, Asia, North America and South America.

Draka Communications

For many decades, we have been designing, developing, manufacturing and selling a variety of high-quality copper and optical fiber cables in order to offer you cable solutions for present and future challenges - let it be standard products or tailor-made special cables.

In the communication infrastructure, our well proven products are always in use wherever it is a question of professional and undisturbed data, voice, audio and video transmission.

Shipboard cables

A ship is created by the unbelievably complex interaction of several ten thousand parts supplied by several hundred manufacturers.

Shipyards and manufacturers need a reliable partner with a wide experience and a global availability in order to ensure constantly high quality standards when purchasing materials and components.



Draka Cables,
certified by
Germanischer
Lloyd



Solutions for multimedia applications, entertainment and reliable data services

With special cable solutions for the marine industry, Draka ensures a professional transmission of data, voice, audio and video signals without interferences also at sea. For example with high-capacity and highly reliable multimedia cables or highsreen UC cables.



Testing and certification by Germanischer Lloyd

To ensure an optimum reliability of operation, Draka offers a variety of cable solutions certified by Germanischer Lloyd.



Germanischer Lloyd

Germanischer Lloyd (GL) is one of the leading classification societies in the world. They aim at enabling the marine industry an optimum reliability of operation.

For this purpose, GL offers a certification service. Multimedia cables of Draka are certified for the application spectrum of data communication, radio technology, CATV, and audio and video transmission.

Test procedure

In order to conduct a type examination, several documents need to be presented to Germanischer Lloyd, such as data sheets, applicable standards and provisions, existing test reports and certificates, QM certificate, etc. The test is performed on the basis of the classification and construction rules and guidelines of Germanischer Lloyd being conducted at the same cable type.

Evidence has to be provided that the quality-related measures in the production and the products are in accordance with the requirements, as determined.

The test is considered as successfully passed when test results are within predetermined tolerances and no breakdowns or damages were observed.

Guaranteed quality

Whether multimedia cables for data communication, radiofrequency cables for radio technology, studio cables for the transmission of audio and video signals or CATV cables for the transmission of television signals - for all applications Draka Communications can offer cables certified by Germanischer Lloyd.



Highly developed cable solutions

Draka has developed shipboard cables for a variety of applications.

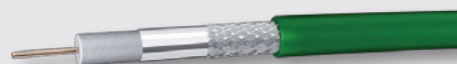
Data cables



Data cables of the Universal Cable series UC are always in use wherever it is a question of high-speed data transmission in local networks (LAN). Whether Cat6_a (Class E_a), Cat6_A (Class E_A), Cat7_a (Class F_a), Cat7_A (Class F_A) or multimedia – all data cables are in accordance with ISO/IEC 11801, EN 50173 and EIA/TIA 568A.

On ships, data cables of the UC series are used for standardized and manufacturer-independent networks – Token Ring, Ethernet, ISDN, TPDDI, Fast-Ethernet 100BaseTX, ATM, Gigabit-Ethernet 1000Base T or 10 GbE.

Video and Audio cables



Audio cables are a perfect basis for digital and analogue transmission of audio signals. The digital audio cables are in accordance with the AES/EBU standard.

Video cables are used as coaxial cables with a characteristic impedance of 75Ω for the connection of recording and intermediate amplifiers as well as monitors and cameras. The specified frequency range up to 5000 MHz permits the application of the video cables for serial digital transmission, HDTV and future transmission technology.

In the ship's own television studio for example, audio and video cables are applied in order to enable the transmission from the studio to the cabin.

RF cables



The radiofrequency cables according to IEC 61196-1 are used in transmitter and receiver installations in radio communication as well as in the entire field of commercial radiofrequency technology and electronics.

RG cables according to the American standard MIL-C-17G have become the global standard. They are always applied where high quality is required.

On ships, they serve as cables for transmitters and receivers in the radio technology and as connection cables in the navigation technology.

CATV cables



CATV cables are used in private and commercial trunk lines and TV signal distribution networks. They can be applied from the headend. Drop cables are used in private and commercial TV signal distribution networks and as antenna cables for terrestrial and satellite broadcast systems.

On ships, for example, CATV cables are applied for the transmission of TV channels which are received via satellite TV or terrestrial antennas and transmitted to the cabins.

For expert guidance for our special designed cables please contact your local Draka Sales Office.