

Which type of wires are used for the cables?

All cables for power and the various signal cables are available with different types of wires:

Standard cables

The standard cable is a special, resistant electronic cable with a polyurethane outer sheath. This cable is resistant to mechanical stress without leaving kinks or knots in the cable. This cable is available in various cross-sections and with or without shielding, making it suitable for almost all applications. Unless otherwise specified, the cable is assembled with this wire.

- **Outer sheath:** PUR 11YM1
- **Outer sheath colour:** black, shiny
- **Bending radius:** 7,5 x cable diameter
- **Maximum temperature:** - 30 °C to + 80 °C
- **Additional Features:** Silicone-free, halogen-free, Resistant to oil and acids, UV-resistant - as far as possible, Abrasion-proof - flexible at low temperatures

Flexible cable

As soon as the flexibility of the cable is vital - e.g. when used on a gimbal - we use a special cable which has a particularly high flexibility. This flexibility is achieved by the material of the insulation as well as by the very thin copper strands that make up the conductors. The cable has a significantly lower mechanical resistance and shows clear traces in the form of slight kinks and knots in the sheath after heavy mechanical stress, especially when the minimum bending radius is regularly undershot. The electrical parameters are not normally affected by this, but we do not recommend this cable for daily use.

This **shielded** cable is only available with one cross-section (**4 x 0,15 mm²**) and therefore it is not suitable for all applications and lengths. The outer sheath is made of flexible PVC (black) and the **outer diameter** is **4,8 mm**.

LBUS cable

For the LBUS cables, we offer a third type of cable in addition to the two variants listed above:

ARRI Original

For completeness and compatibility we offer the LBUS cables also with the cable used by Arri for the original LBUS cables. This **shielded** cable has a small outer diameter of 4,6 mm but a rather high conductor cross-section of **4 x 0.34 mm²**. Due to the technical parameters of the cable, LBUS cables up to a length of 6 m are possible, even when using 3 motors.

Unfortunately, the design of the cable has a very strong impact on flexibility and bending radius. Therefore we cannot recommend this cable for all LBUS cables under 1,5 m length and advise to use our standard cable.



BILD FEHLT



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