



PVC

3G  
2.5

new

**hybrid cable - compact****1x digital 110 Ohm + power 3x 2.5 mm<sup>2</sup>**

- signal cable (DMX, digital and analog audio)
- power cable 3x 2.5 mm<sup>2</sup> with bare stranded copper wire according to IEC 60228
- max. cable length on drums (VDE 0620): 100 m
- suitable for multipin connector assembly
- ultra flexible soft PVC jacket

This hybrid cable has a robust, highly flexible soft PVC outer sheath and can be used in a wide range of applications. If a common connector is used for the power supply and the required signal, there is no need for separate sheathing of the three power cables. In addition, without the sheathing of the power wires, processing in hybrid cable reel systems is made extremely easy. This not only shortens the processing time, but also reduces the outer diameter of the cable, which increases the maximum cable length per reel. Double shielding consisting of a dense braid with an underlying aluminum foil protects the signal cable from electromagnetic interference from the power cable, and the accompanying ground wire also facilitates assembly with XLR or TRS connectors.

**hybrid**

|                       |                                          |
|-----------------------|------------------------------------------|
| twisting              | 1 signal cable + 3 power cores + tracers |
| taping                | fleece                                   |
| outer jacket          | PVC                                      |
| operating temperature | -30°C / +70°C                            |
| min. bending radius   |                                          |
| installed             | 5x overall diameter                      |
| mobile use            | 10x overall diameter                     |
| flame retardancy      | flame retardant acc. to IEC 60332-1-2    |

**audio cable**

|                            |                                                                               |
|----------------------------|-------------------------------------------------------------------------------|
| cond. construction         | stranded tinned copper, 7x 0.20 mm (AWG 24/7)                                 |
| cond. cross section        | 0.22 mm <sup>2</sup>                                                          |
| insulation                 | foam-skin PE                                                                  |
| shielding                  | AL/PET foil + tinned stranded drain wire + tinned copper braid (coverage 85%) |
| outer jacket               | PVC, black, Ø 6.0 mm                                                          |
| conductor resistance       | < 85 Ω/km                                                                     |
| capacitance                | 47 pF/m                                                                       |
| characteristic impedance   | 110 Ω                                                                         |
| nom. attenuation [dB/100m] |                                                                               |
| 1 MHz                      | 2.7                                                                           |
| 3 MHz                      | 4.3                                                                           |
| 10 MHz                     | 7.3                                                                           |

**power core**

|                         |                                                             |
|-------------------------|-------------------------------------------------------------|
| conductor               | stranded bare copper, fine-wired acc. to IEC 60228, class 5 |
| conductor cross-section | 3x 2.5 mm <sup>2</sup>                                      |
| core colors             | blue, brown, yellow-green                                   |
| conductor resistance    | 12.5 Ω/km                                                   |
| insulation resistance   | > 0,01 MΩ x km                                              |
| rated voltage           | 300/500 V                                                   |
| test voltage            | 2.5 kV/rms x 5 min                                          |

| order code | included cable types     | cond. cross section<br>mm <sup>2</sup> | outer Ø<br>mm | cable color | weight<br>kg/m |
|------------|--------------------------|----------------------------------------|---------------|-------------|----------------|
| HD01PC25   | 1x digital audio + power | 2.5                                    | 15.1          | black       | 0,05           |