

## i.LINK™ adapter for laptop application

*Alysium*  
AVT



### Your cable for laptop applications with AVT IEEE 1394 cameras.

ALYSIUMs i.LINK™ cable is ideal for connection of IEEE 1394 cameras to any laptop with 4-pin i.LINK™ connector. The high quality cables guarantee low damping and best signal quality for all speeds. Due to the power connector you can provide bus power and do not have to power each single camera.

#### Highlights

- Compliant with IEEE 1394a
- RoHS compliant
- Compatible with AVT's IEEE 1394 cameras

## Technical Specifications

| Feature             | Description 1394 cable                                                                                                                | Description power cable                   |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Jacket              | Pb free PVC; 0.38 mm thick, 4.8 mm Ø                                                                                                  | Pb free PVC; 0.53 mm thick, 4.0 mm Ø      |
| Outer shield        | <ul style="list-style-type: none"> <li>- Braid - aluminium wire, min. 90 % coverage</li> <li>- Al-foil/mylar, 25 % overlap</li> </ul> | Spiral Tinned copper, min. 93 % coverage  |
| Cable assembly      | 2 pairs of (A) plus 2x Filler (no power conductor)                                                                                    | Coaxial cable                             |
| Inner shield        | <ul style="list-style-type: none"> <li>- Spiral - tinned copper, min. 95 % coverage</li> <li>- Al-foil/mylar, 25 % overlap</li> </ul> |                                           |
| Insulation A        | FOAM-SKIN-PE; 0.27 mm thick; 0.84 mm Ø                                                                                                | FOAM-PE; 1.075 mm thick; 2.75 mm Ø        |
| Conductor A (Data)  | Tinned copper, 7x 0.102 (AWG38); 0.255 mm                                                                                             |                                           |
| Conductor B (Power) |                                                                                                                                       | Tinned copper, 7x 0.203 (AWG32); 0.511 mm |
| Max. DC resistance  | 376 Ω/km at 20°C                                                                                                                      | 93.2 Ω/km at 20°C                         |
| Char. impedance     | 110 Ω ± 6 Ω                                                                                                                           |                                           |
| Attenuation         | 400 MHz: ± 1.29 dB/m                                                                                                                  |                                           |
| Time delay          | Max. 5.05 ns/m                                                                                                                        |                                           |
| Skew delay          | Max. 400 ps/m between pairs                                                                                                           |                                           |
| Compliance          | UL 20276 (80°C, 30 V)                                                                                                                 | UL 1354 (80°C, 30 V)                      |

Ordering number:

|                                    |                                                             |          |
|------------------------------------|-------------------------------------------------------------|----------|
| i.LINK™ adapter 4-pin – 6-pin + DC | IEEE1394 Adapter 4-pin connector to 6-pin female with DC-in | K1200070 |
|------------------------------------|-------------------------------------------------------------|----------|

|                              |                                                               |          |
|------------------------------|---------------------------------------------------------------|----------|
| Power supply 12 V DC, 1.25 A | Wall power supply 15 W, circular plug-in connector 5.5/2.1 mm | E3100012 |
| Ferrite for AVT cables       | for cable diameter 3.5 – 5.0 mm                               | K8420055 |
| Tool for ferrites            | for all sizes, to remove ferrites from cable                  | K8420058 |

Note:

Please be aware of polarity of the used power supply (  ). Wrong polarity can damage camera or laptop.