



1394b high grade cable



Your high grade / long distance cables for AVT IEEE 1394b cameras.

ALYSIUMs high grade cables are ideal for connection of IEEE 1394b cameras in any industrial application. The high quality cables guarantee low damping and best signal quality for all speeds. Both sides are equipped with screw lock connectors. The maximum length is extended up to 15 meters due to the excellent electrical characteristics of the cable.

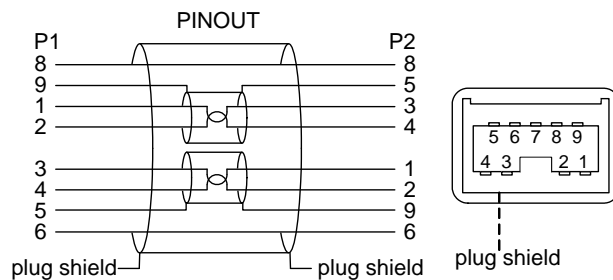
Highlights

- Compliant with IEEE 1394b
- UL certified and RoHS compliant
- Compatible with all AVT's IEEE 1394b cameras
- Extended Lengths up to 15 meters

Technical Specifications

Feature	Description
Jacket	Pb free PVC; 0.81mm thick, 11,9 mm Ø; UL 20276 cert. (@ 80 °C, 30 V)
Outer braid shield	Tinned annealed Cu, min. 85 % coverage, composition 0,12mm
Binder tape	Paper
Cable assembly	S, 2x (A) plus 2x (B)
Inner shield	AL-PET (min 100%)
Insulation A	XLFMPE; 0.66 mm thick; 2,10 mm Ø
Conductor A (Data)	Tinned annealed Cu; 7 x 0.26 (AWG22); 0.78 mm Ø
Conductor B (Power)	Tinned annealed Cu; 26 x 0.16 (AWG20); 0.94 mm Ø
Insulation B	HR-LF-PVC; 0.41 mm thick; 1,76 mm Ø
Max. DC resistance	A:56,9 B:39,1 [Ohm/km at 20 °C]
Char. Impedance	110 Ohm nominal
Static bending radius min.	6 x outer diameter [~72 mm)

Pinout IEEE 1394b



Connectors are viewed as looking at the front plug face.

Plug 1	Signal name at plug 1 end	Plug 2
1	TPB* (Twisted Pair B minus)	3
2	TPB (Twisted Pair B plus)	4
3	TPA* (Twisted Pair A minus)	1
4	TPA (Twisted Pair A plus)	2
5	TPA (R) (Twisted Pair A ground reference)	9
6	VG (Power Ground)	6
7	No connection	7
8	VP (Power Voltage)	8
9	TPB (R) (Twisted Pair B ground reference)	5
Plug shield	Cable outer shield	Plug shield

Ordering number:

9-Pin – 9-Pin industrial 15,0m	IEEE 1394b; 2x screw lock, high grade long distance, for Pike/ Stingray	K1200291
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Shorter lengths on request!