

## 1394 legacy cables



## Legacy cables for IEEE 1394 cameras

AVT's legacy cables are ideal for connection of IEEE 1394 cameras to any IEEE 1394a or IEEE 1394b port of a PC or laptop. The high quality cables guarantee low damping and best signal quality for all speeds.

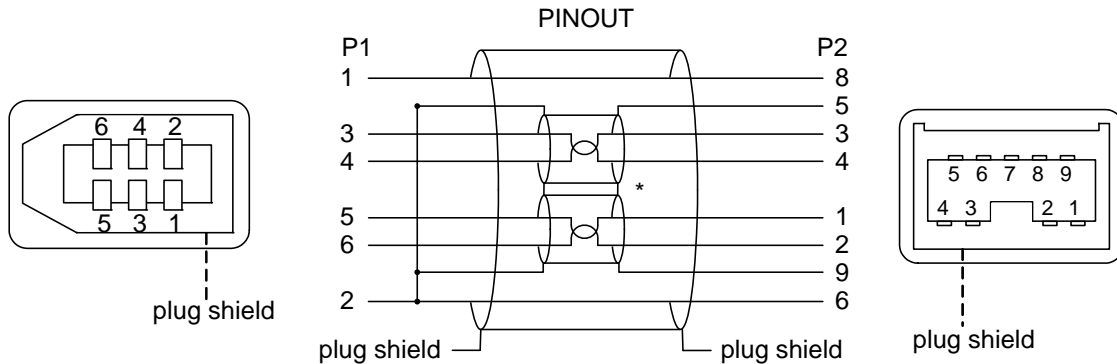
## Specifications

All cables comply with IEEE 1394 standard (IEEE Std 1394™-1995)

Feature	Description
Char. Impedance	110 Ohm +/-6
Attenuation (400 MHz)	≤ 1.28 dB/m
Time delay	Max. 5.05 ns/m
Skew delay	Max. 400 ps

## Pinout

### IEEE 1394a legacy (9-pin to 6-pin)



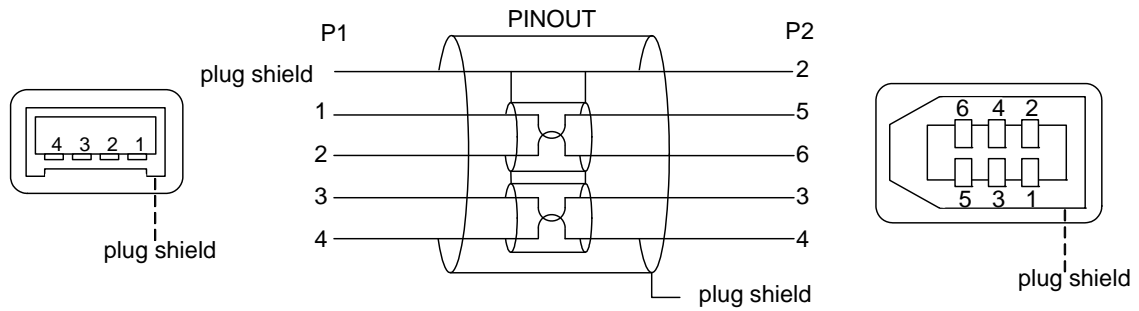
\*Twisted pair shields are only connected by using cable material according to IEEE Std 1394TM -1995.

If cable material according to IEEE Std 1394b™ -2002 is used, twisted pair shields are **not** connected inside the cable.

Connectors are viewed as looking at the front plug face.

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

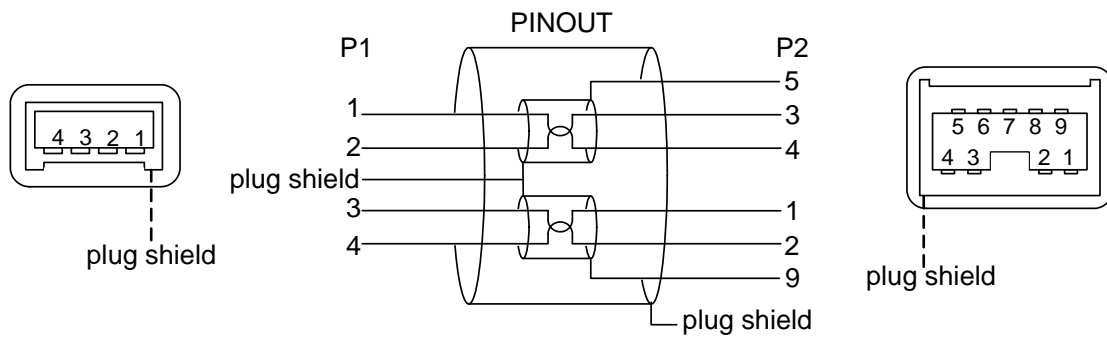
**IEEE 1394 (6-pin to 4-pin)**



Connectors are viewed as looking at the front plug face.

Plug 1	Signal name at plug 2 end	Plug 2
	VP (Power Voltage)	1
Plug shield	VG (Power Ground)	2
3	TPB* (Twisted Pair B minus)	3
4	TPB (Twisted Pair B plus)	4
1	TPA* (Twisted Pair A minus)	5
2	TPA (Twisted Pair A plus)	6
	Cable outer shield	Plug shield

**IEEE 1394 legacy (9-pin to 4-pin)**



Connectors are viewed as looking at the front plug face.

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

## Order codes

Description	Length	Order number
Legacy cable 1394b (9 pin) to 1394a (4 pin) standard connectors	4.5 m	K1200126
Legacy cable 1394a (6 pin) to 1394a (4 pin) standard connectors	2.0 m	K1200056
	4.5 m	K1200055
Legacy cable 1394a (6 pin latch) to 1394b (9 pin screw lock) connectors	0.5 m	K1200198
	3.0 m	K1200211
	4.5 m	K1200171
	7.5 m	K1200210
	10 m	K1200209

Other cable lengths are available on request.

Description	Cable diameter	Order number
Ferrite for AVT cables	3.5 – 5.0 mm	K8420055
	4.5 – 6.0 mm	K8420057
	6.0 – 7.5 mm	K8420056
Ferrite removing tool	For all sizes	K8420058

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