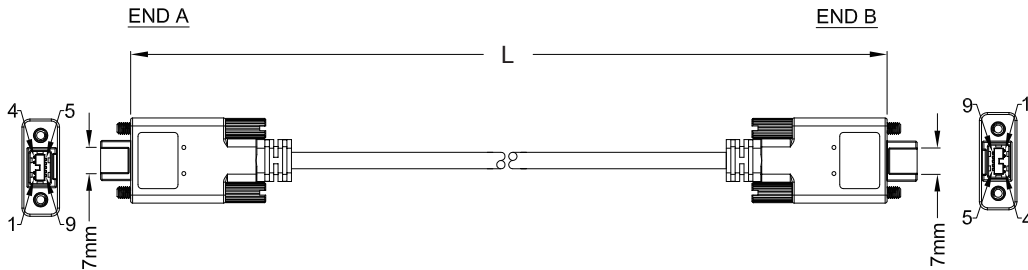




## 1394B Cable Assembly (OD:7.0mm)

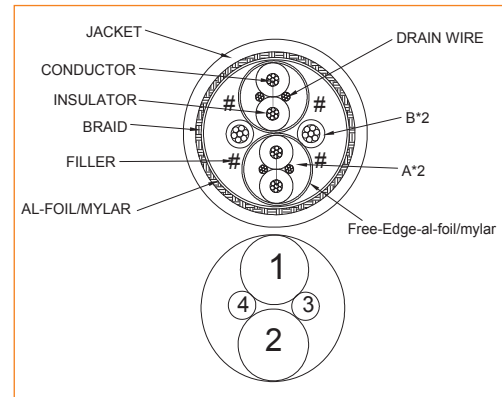
### Configuration



### Electric Characteristics

1. Voltage rating: 30V
2. Temperature rating: 80 Degrees C
3. Spark test : AC- 500V / 0.15 sec MIN.
4. Dielectric strength : AC- 750V/1sec MIN.
5. Insulation resistance :  
Foam-skin-PE:DC-500V 100 MΩ/KM MIN. at 20°C  
SR-PVC:DC-500V 10 MΩ/KM MIN. at 20°C
6. Conductor resistance :  
25AWG-118Ω/KM MAX. at 20°C  
22AWG-55Ω/KM MAX. at 20°C

### Cross-section View



### Transmission Characteristics

1. Differential Impedance: 110±6Ω (Differential) TDR at 1 & 2.5ns, 33±6Ω (Common mode)
2. Signal Pairs Propagation delay : ≅5.05ns/M MAX
3. RiseTime ≅100ps
4. Intar-pair Skew ≅160ps
5. Crosstalk ≅3%
6. Attenuation:

Frequency (MHz)	Insertion Loss (dB/m)
250	Max. 3.3
400	Max. 4.1
800	Max. 6.2
1000	Max. 7.5

### Cable Specifications

Application	Length	OD (mm)	Material	Color	Characteristic
High End Static	10m Max.	7.0	PVC	Black	High Reliability