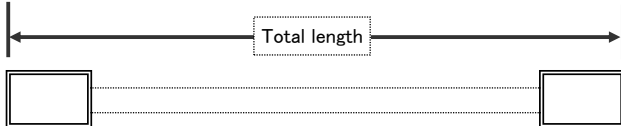
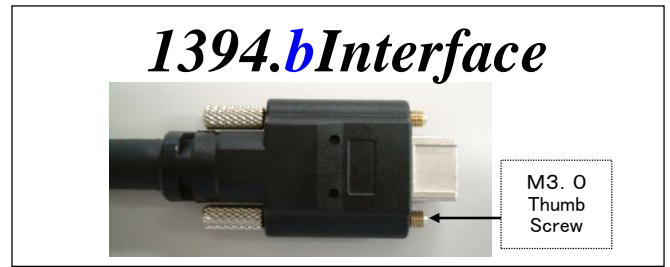
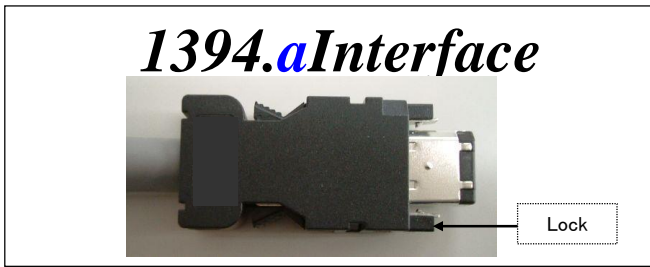




# IEEE1394 I/F



**★Robot (Bending · Twisting · U-bending) usage cable.**

I / F Product name					
N	□□	△△△	▲▲▲	◇◇	■ ■
NISSEI Manufacturing	Transmission standard	Connector	Connector	Cable	Total length (m)
	4 A	6 S	6 S	Please select from a cable list.	1m unit
	4 B	9 NS	9 NS		
※Example Product name N 4 B 9 NS 9 NS 4 B 4 m					

Transmission standard		Cable as defined		4 A Wiring Chart		4 B Wiring Chart			
4 A	IEEE1394. a [max 400MHz]	B Data (110Ω)		Plug 1	Plug 2	Plug 1	Plug 2	Signal name	
4 B	IEEE1394. b [max 800MHz]			6	4	1	3	TPB-	
Item	1394. a	1394. b	A Data (110Ω)	5	3	2	4	TPB+	
D, Impedance (Ω)	110±6			4	6	3	1	TPA-	
Delay time (ns/m)	< 5.1		A GND	3	5	4	2	TPA+	
skew (ps/total length)	< 400	< 160		Power GND			5	9	TPA(R)
Attenuation (dB/total length)	100MHz	< 2.3	—		2	2	6	6	VG
	200MHz	< 3.2	—			7	7		
	250MHz	—	< 3.3	Power	1	1	8	8	VP
	400MHz	< 5.8	< 4.1	B GND			9	5	TPB(R)
	500MHz	—	< 4.9	Shield	SHELL	SHELL	SHELL	SHELL	
	800MHz	—	< 6.2						
Connector	6 S (4 A)	6pin male Straight (Lock)							
	9 NS (4 B)	9pin male Straight (Thumb Screw)							

Cable						Cable length [Guideline]		
Product name	Application	Diameter	Color	Standard	Conformity	oil-resistant characteristic	4 A	4 B
4 S	Standard	7.6φ	Gray	UL20276 80°C 30V RoHS	4A	JIS K 6723 (Resistance to oil PVC)	9.0m	
4 B	High Robot	7.6φ	Black				7.5m	
4 G	High Robot	7.6φ	Black				5.5m	
4 BS	Standard	8.0φ	Gray		4B			5.0m
4 BB	High Robot	8.0φ	Black					4.5m