

# Optical fiber interface

Robot (U-bending) and High-speed transmission usage cable.

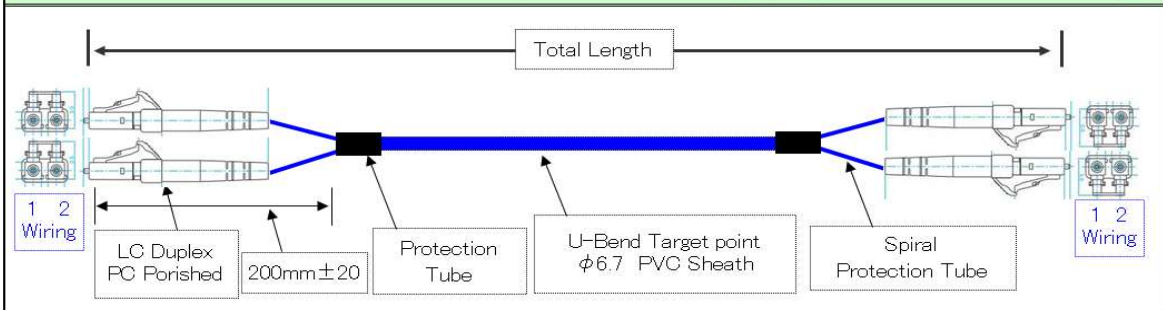
## Robot Optical Fiber I/F (MM50) (Fused silica glass Multi-mode)

Structure example	Core	50 μm
	Cabling	PVC (Blue) φ2.1
[Composition cable]	Power supply cable addition (for a demand)	
	tension member Aramid fiber	
	Tape	
		PVC (Blue) Sheath
Minimum bending radius (Guide Line)		50mm
Adaptation Connector		LC
1 channel Max Length (Guide Line)		1Gbps⇒200m 10Gbps⇒25m
Loss	Fiber	~3dB/km (λ = 850nm)
Band	Fiber	500MHz·km~ (λ = 850nm)

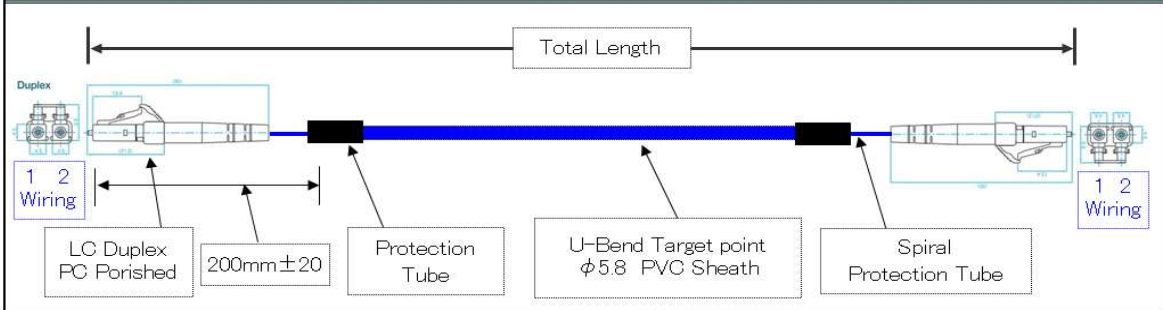


LC Connector × 2 Cores PC Polished

Product name : NMM50LC4C\*\*m (\*\* ⇒ Total Length) [Optical Fiber ⇒ 4 channel]



Product name : NMM50LC2C\*\*m (\*\* ⇒ Total Length) [Optical Fiber ⇒ 2 channel]



### U-Bend Examination

- Stroke : 0.5m
- Bending Radius : 50mm
- Acceleration : 4G
- Speed : 2.5m/sec
- Momentary stop : 0.5sec
- Pass : 50million times

