

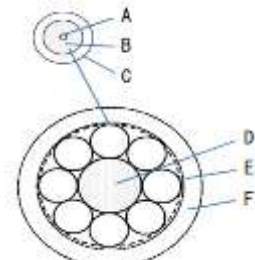
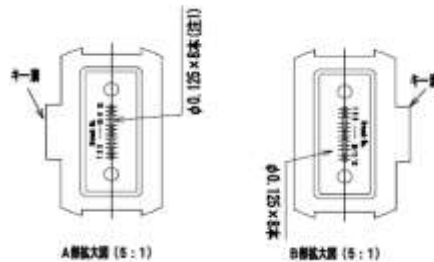
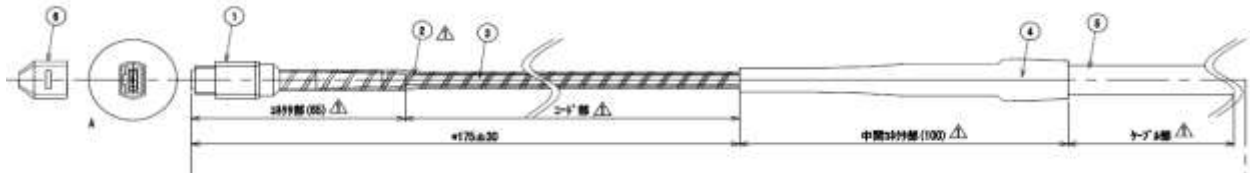


Optical fiber interface

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

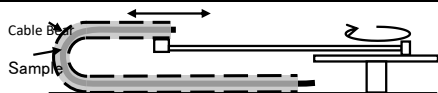
Robot Optical Fiber I/F (MM50) (Fused silica glass Multi-mode)

Item name		NMM50MPO8C**M (** ⇒ length ,M)	
Structure example	Core	50μm	
	Cabling	PVC (Blue) φ2.1	
	Power supply cable addition (for a demand)		
	tension member Aramid fiber		
	Tape		
		PVC (Blue) Sheath	
Minimum bending radius (Guide Line)		50mm	
Adaptation Connector		MPO	
1 channel Max Length (Guide Line)		10Gbps⇒100m	
Loss	Fiber	~3 dB/km (λ=850nm)	
Band	Fiber	1500MHz · km~ (λ=850nm)	



- 8 pieces of CN 1-4, 9-12
- Type B wiring

Cable outer diameter 9.8φ



U-Bend Examination

- Stroke : 0.8m
- Bending Radius : 50mm
- Acceleration : 2.2 G (average) 3.4 G (maximum)
- Pass : 50 million times



Twist test

- Angle: ± 180°
- Width: 500 mm
- Speed: 15 times / min
- Pass : 1,000,000 times

Note: It is a test value, not a guaranteed value