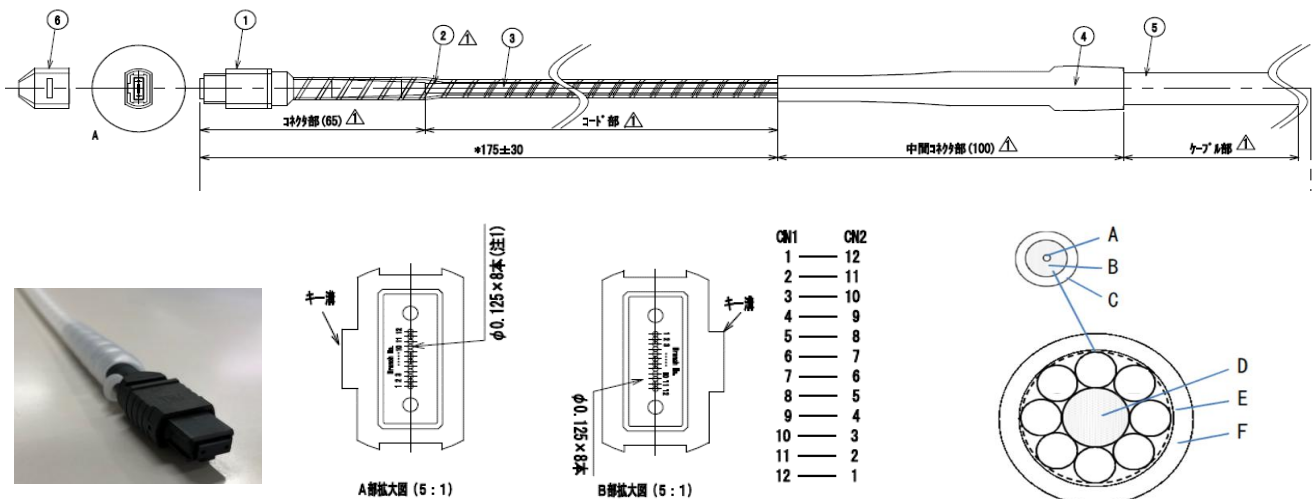


Optical fiber interface

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

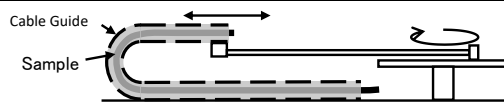
Robot Optical Fiber I/F (MM50) (Fused silica glass Multi-mode)

Item name		N M M 5 0 M P O 8 C * * M (* * ⇒ length ,M)
Structure example	Core	50μm
	Cabling	PVC (Blue) φ2.1
	Power supply cable addition (for a demand)	
	tension member Aramid fiber	
	Tape	
	P V C (Blue) Sheath	
Minimum bending radius (Guide Line)		50mm
Adaptation Connector		MPO
1 channel Max Length (Guide Line)		10Gbps⇒100m
Loss	Fiber	~3 d B/km (λ=850nm)
Band	Fiber	1500MH z ・ km~ (λ=850nm)



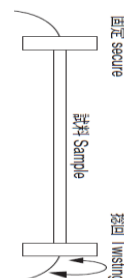
- 8 pieces of CN 1-4, 9-12
- Type B wiring

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