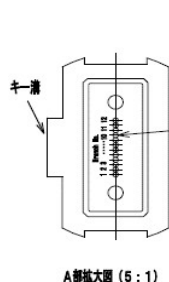
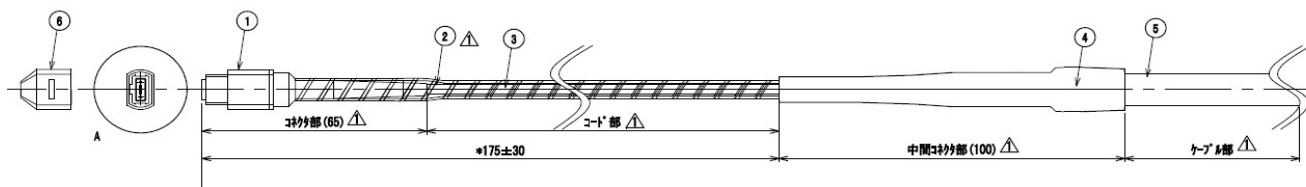


Optical fiber interface

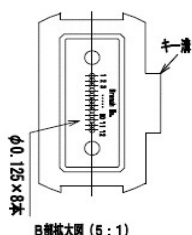
Robot (U-bending) and High-speed transmission usage cable.

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)



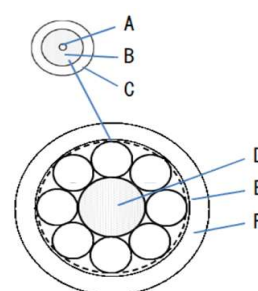
A部拡大図 (5:1)



B部拡大図 (5:1)

CN1	CN2
1	12
2	11
3	10
4	9
5	8
6	7
7	6
8	5
9	4
10	3
11	2
12	1

- 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