

# MHF® I LK

Locking solution that works with MHF I receptacles, supports up to 9 GHz, mated height of 2.9 mm max

**Product Specifications:**

Mated Height (mm max.)	2.9		
Rece. SMT Size (mm)	3.0 x 3.0		
Applicable Frequency	DC ~ 9 GHz		
Characteristic Impedance	50 ohm		
VSWR (L=100 mm)	Connector	PLUG	RECEPTACLE
	DC ~ 3 GHz	1.3 max.	1.3 max.
	3 ~ 6 GHz	1.5 max.	1.4 max.
	6 ~ 9 GHz	1.9 max.	1.8 max.

**Applicable Cable Size:**

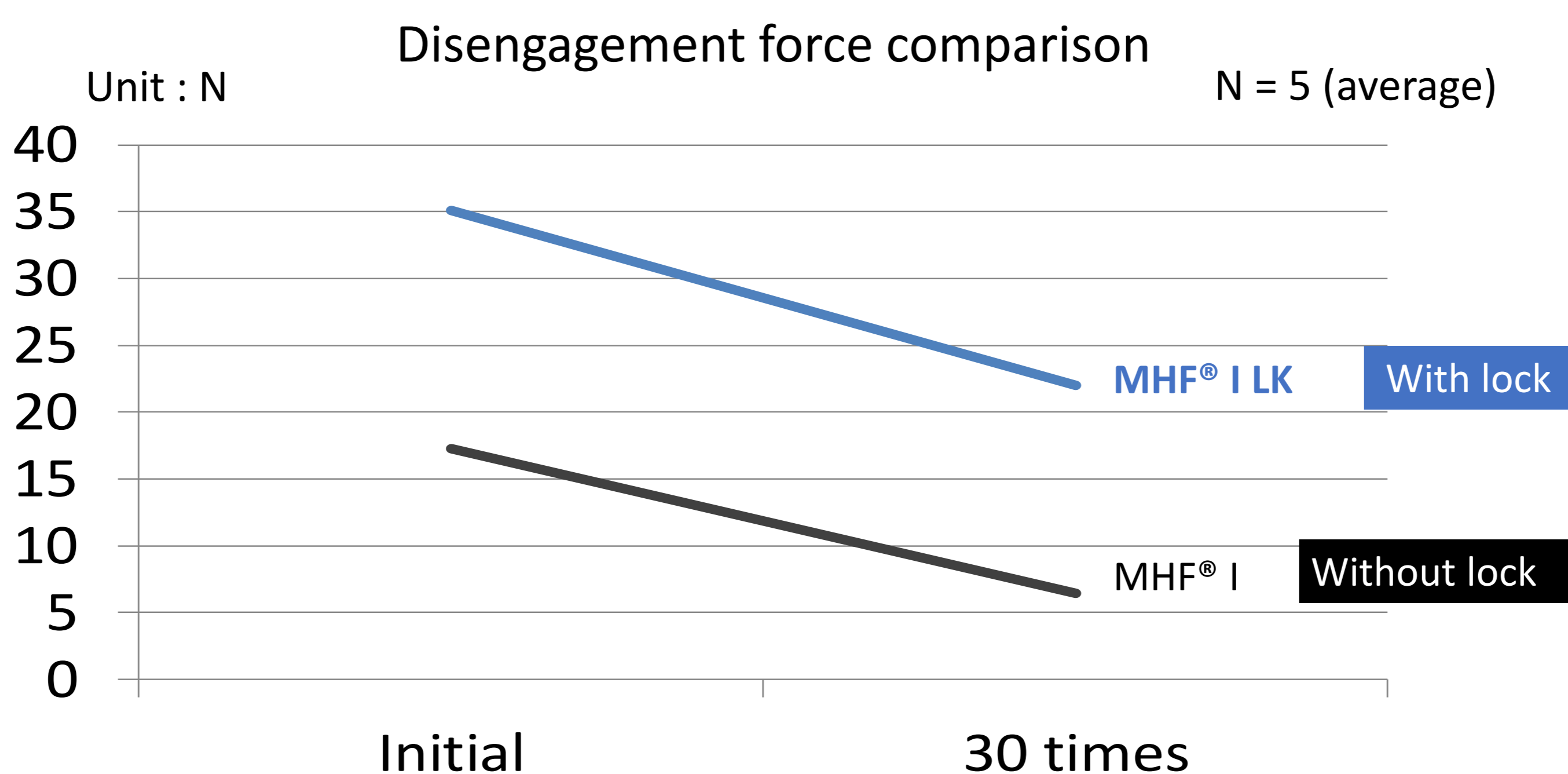
O.D. 0.81 mm / AWG 36
O.D. 1.13 mm / AWG 32
O.D. 1.32 mm / AWG 32
O.D. 1.37 mm / AWG 30
O.D. 1.80 mm / AWG 30

**Applicable Standards (Reference Only):**

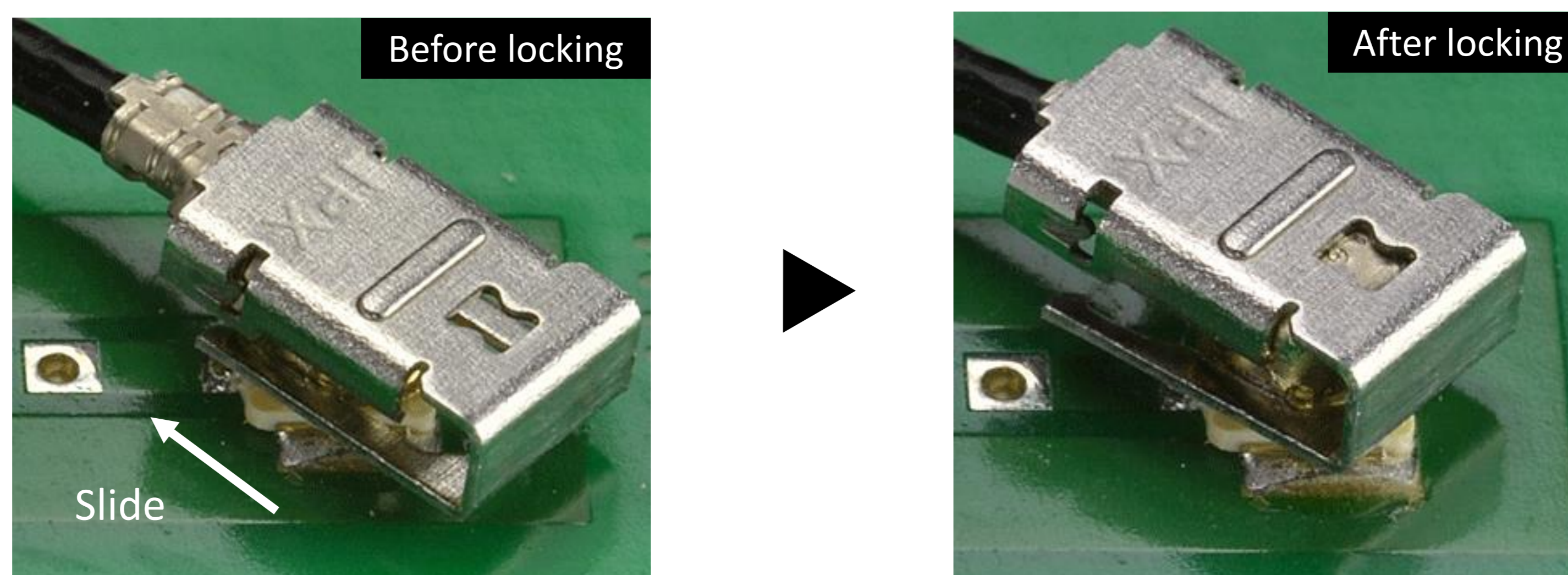
5G sub-6, Wi-Fi 6E, LTE/LTE-Advanced, LPWA, Bluetooth, GPS



► Ideal for continuous shock and vibration applications



► Patented locking system for MHF® I plug



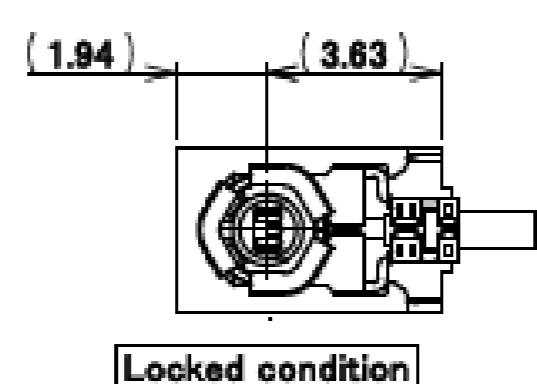
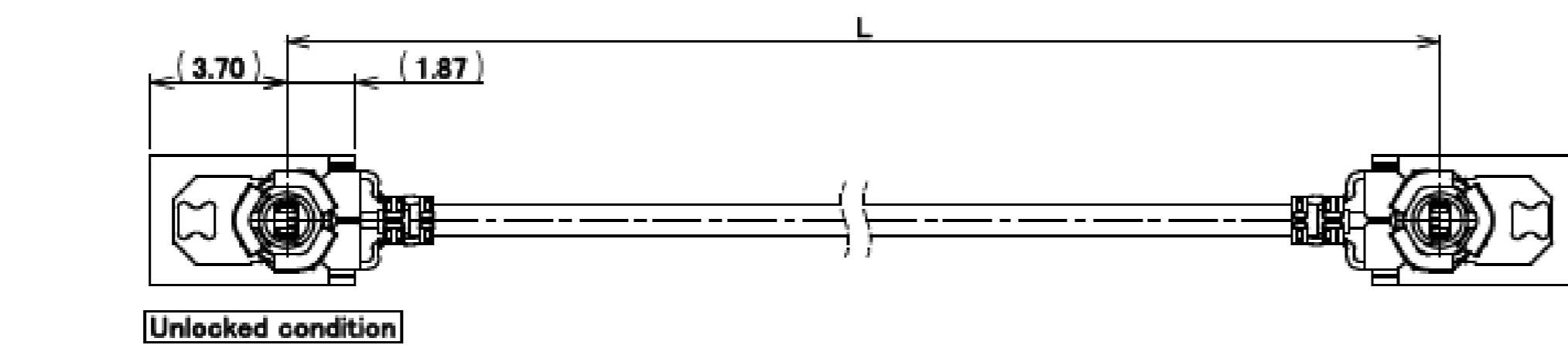
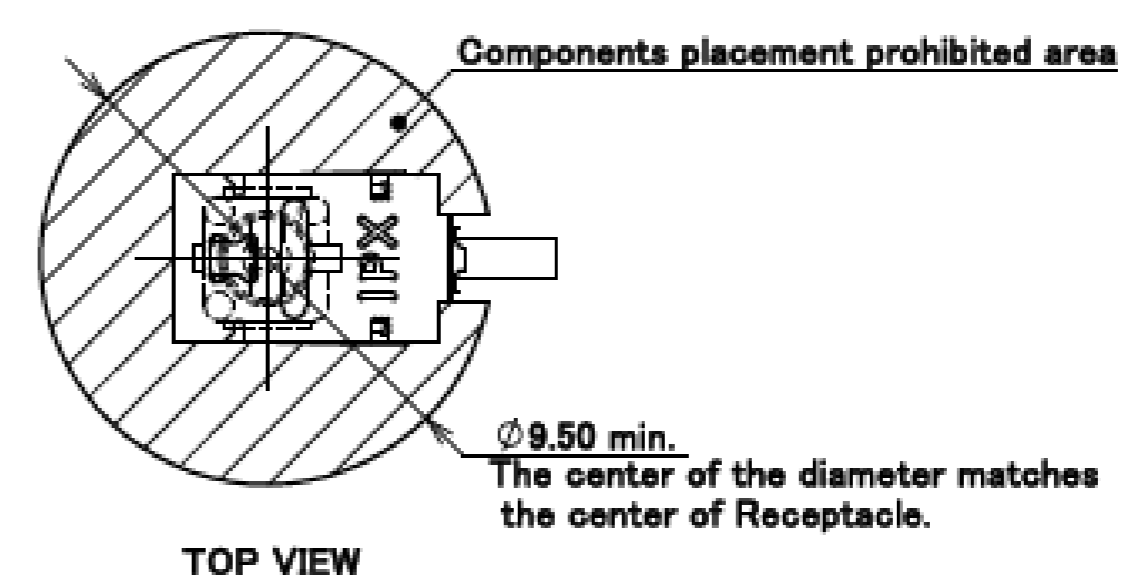
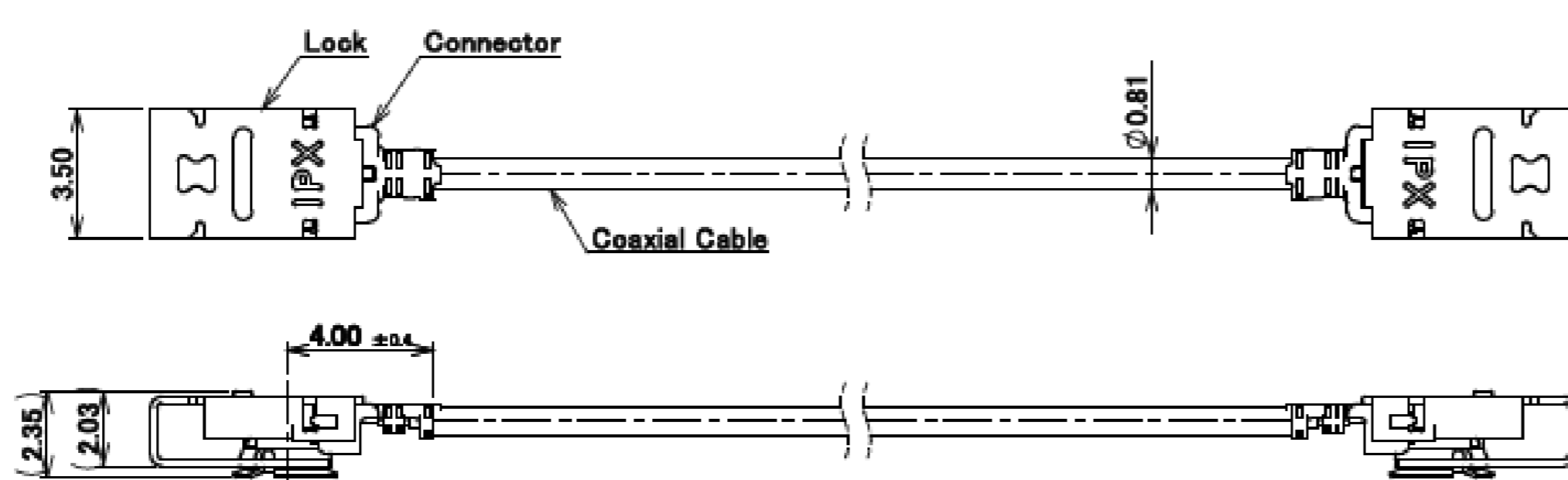
► Mates with all MHF® I receptacles

	MHF® I LK	MHF® I	MHF® I
Product name	MHF® I LK	MHF® I	MHF® I
Lock	With Lock	Without Lock	Without Lock
Mating Height	2.9 mm max.	2.5 mm max.	3.0 mm max.
Coaxial O.D. (Center Conductor AWG)	2.00 mm (AWG#26)		●
	1.80 mm (AWG#30)	●	
	1.37 mm (AWG#30)	●	●
	1.32 mm (AWG#32)	●	●
	1.13 mm (AWG#32)	●	●
	0.81 mm (AWG#36)	●	
Receptacle	MHF® I receptacle 20279-001E-** (3 pads) / 20441-001E-01 (4 pads)		

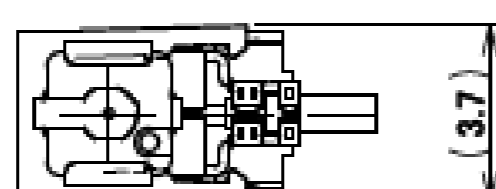
# Component Parts Details

MHF® I LK

**Cable :  $\Phi 0.81$  mm**



• Don't be mating with the receptacle when this condition.

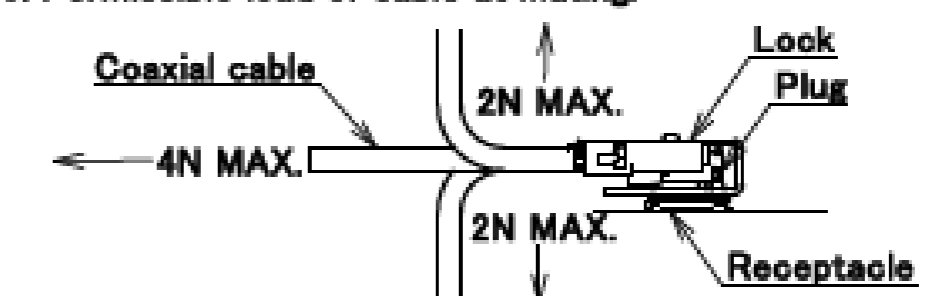


• The dimensions of lock bottom width when mating with receptacle and locked.

BOTTOM VIEW

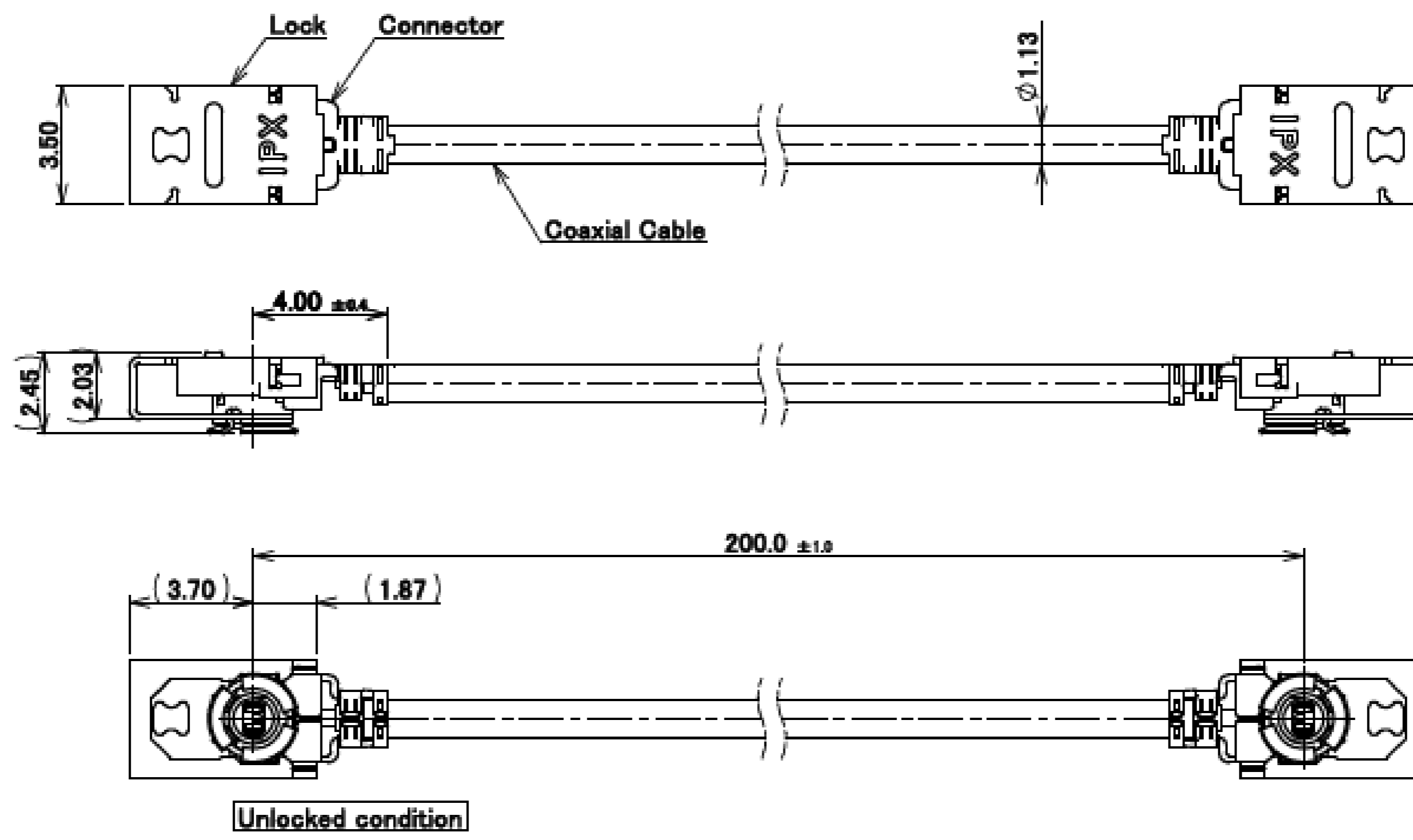
NOTES

1. Constructions
  - (1) Connector : MHF I Plug, Ni-TOP
  - (2) Coaxial cable : AWG#36  $\Phi 0.81$
  - (3) Lock part
2. Orientation of connector :  $0^\circ \pm 45^\circ$
3. Packing : Bag
4. This product is RoHS compliant.
5. Cable crimp strength : 10N MIN.
6. Permissible load of cable at mating.



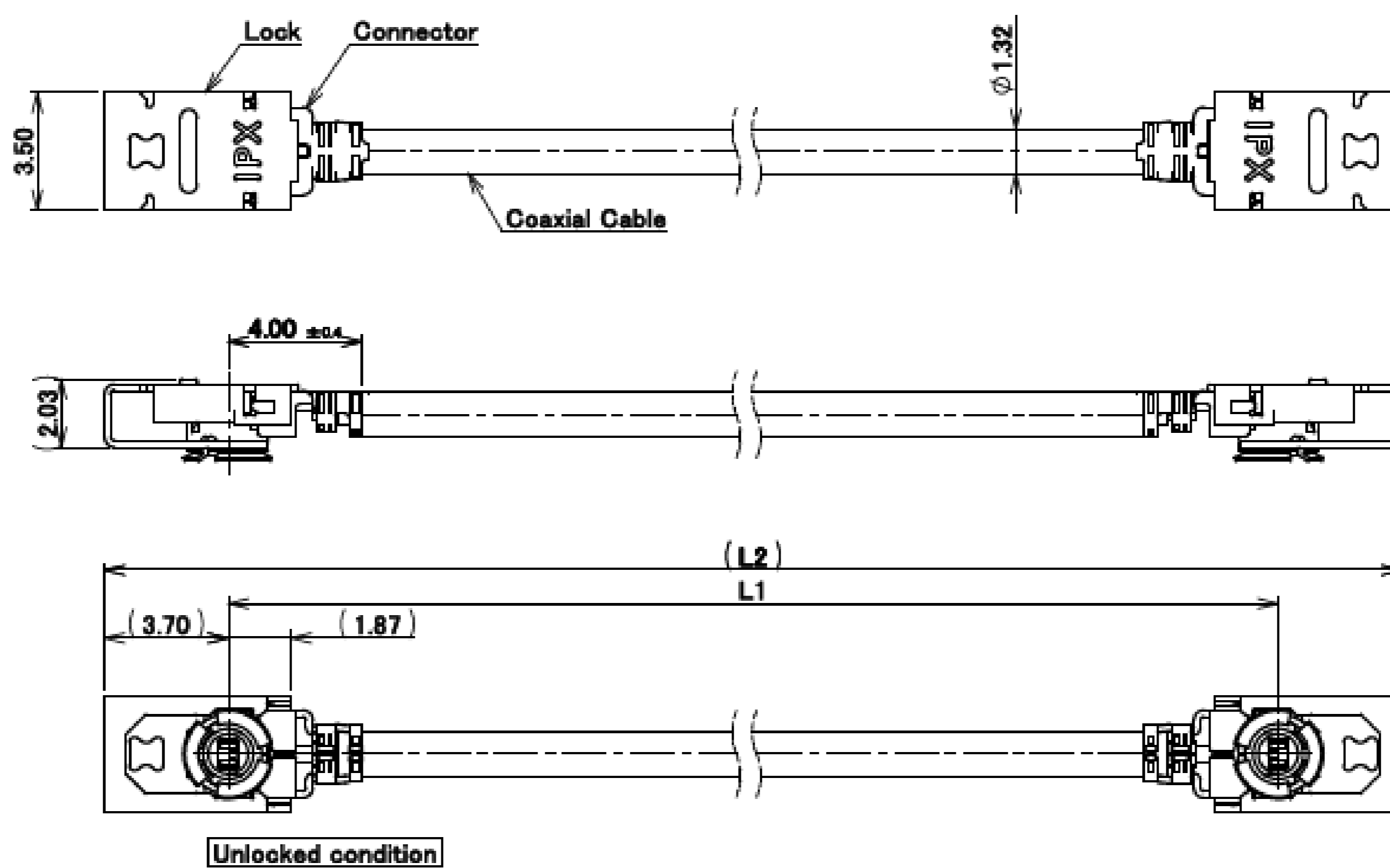
7. To handle lock parts  
You must read and follow the instruction manual below.  
I-PEX instruction manual No. HIM-17020

Cable :  $\Phi 1.13$  mm



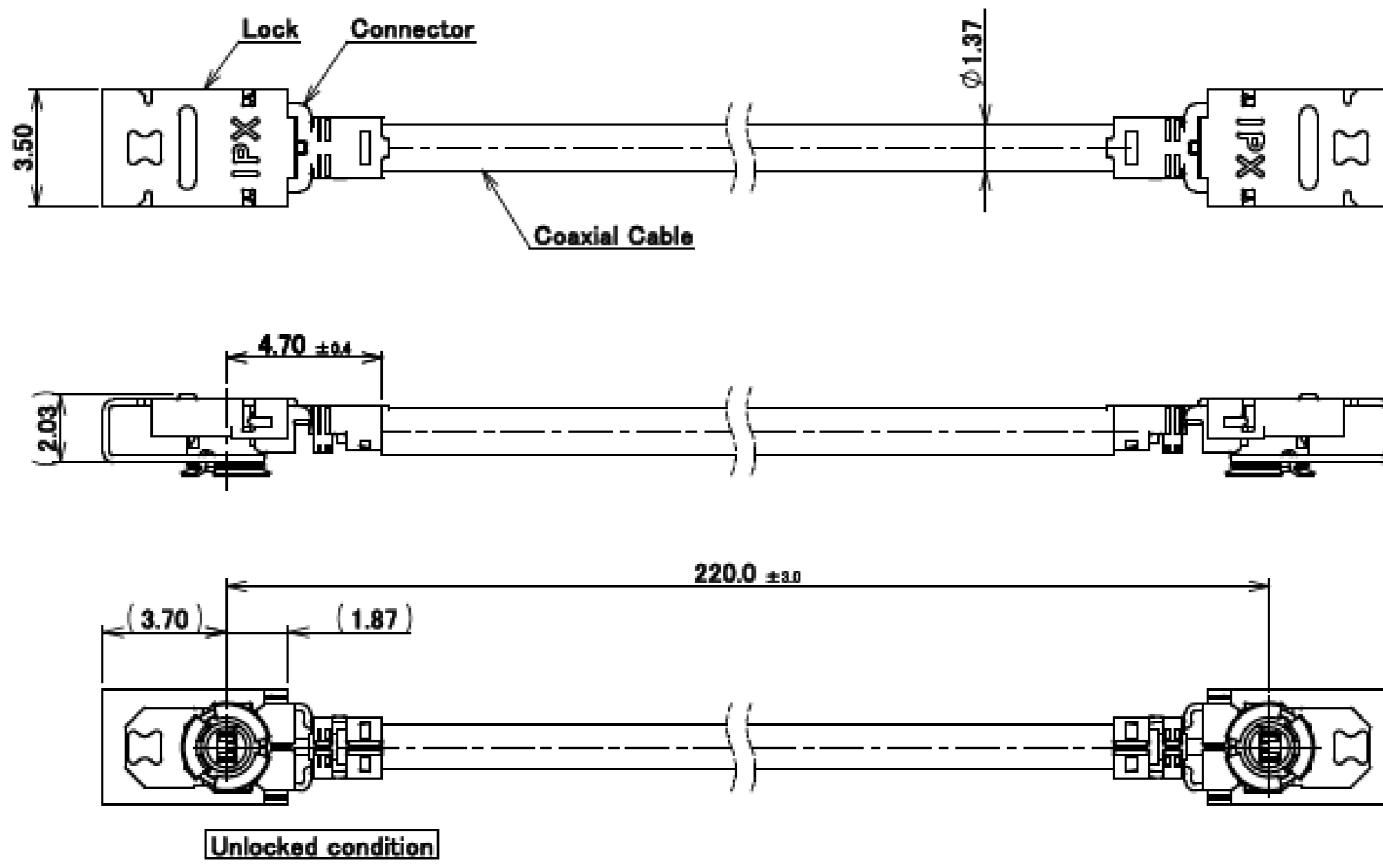
Rev.0

Cable :  $\Phi 1.32$  mm



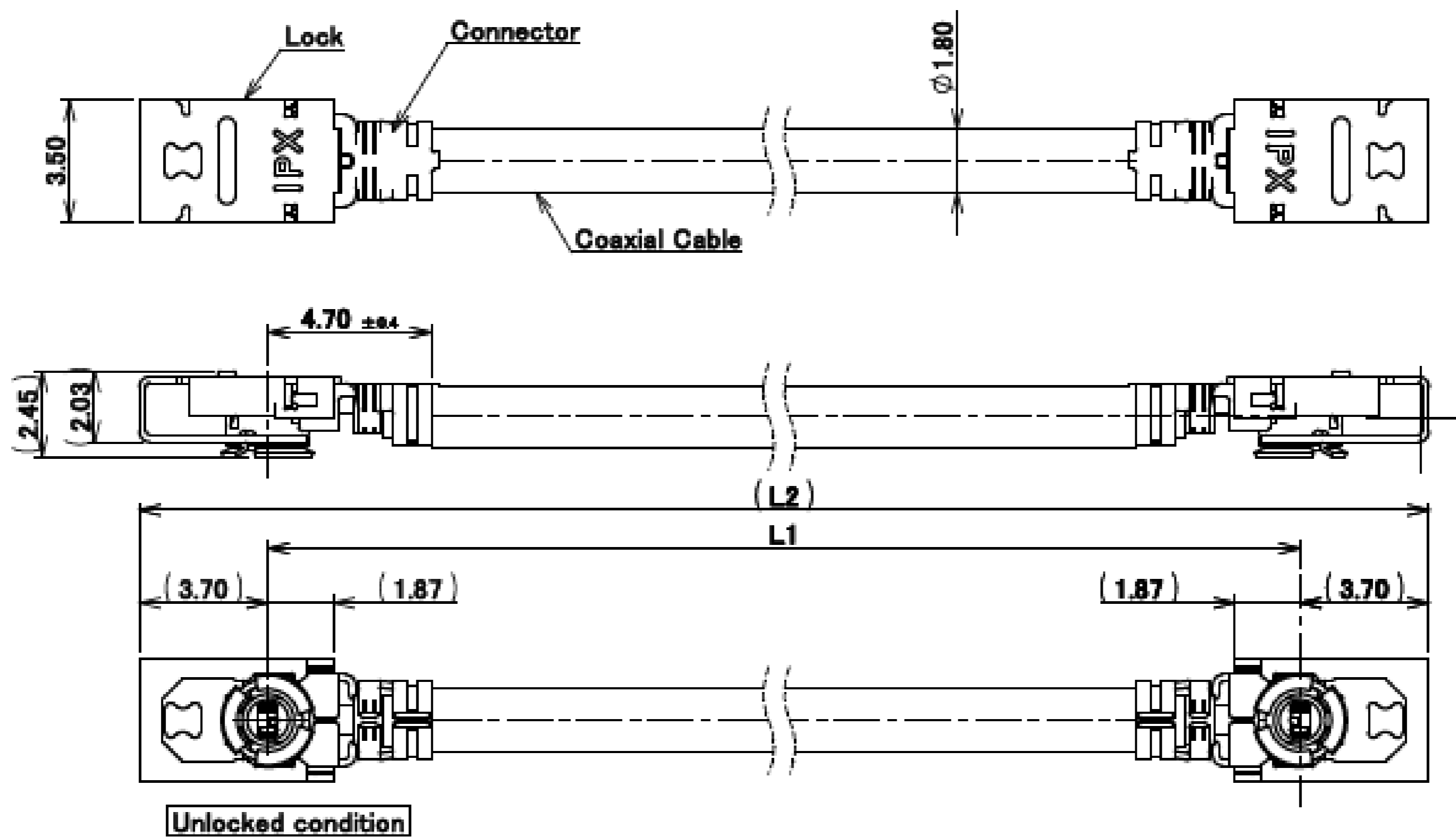
Rev.0

Cable :  $\Phi 1.37$  mm



Rev.0

Cable :  $\Phi 1.80$  mm

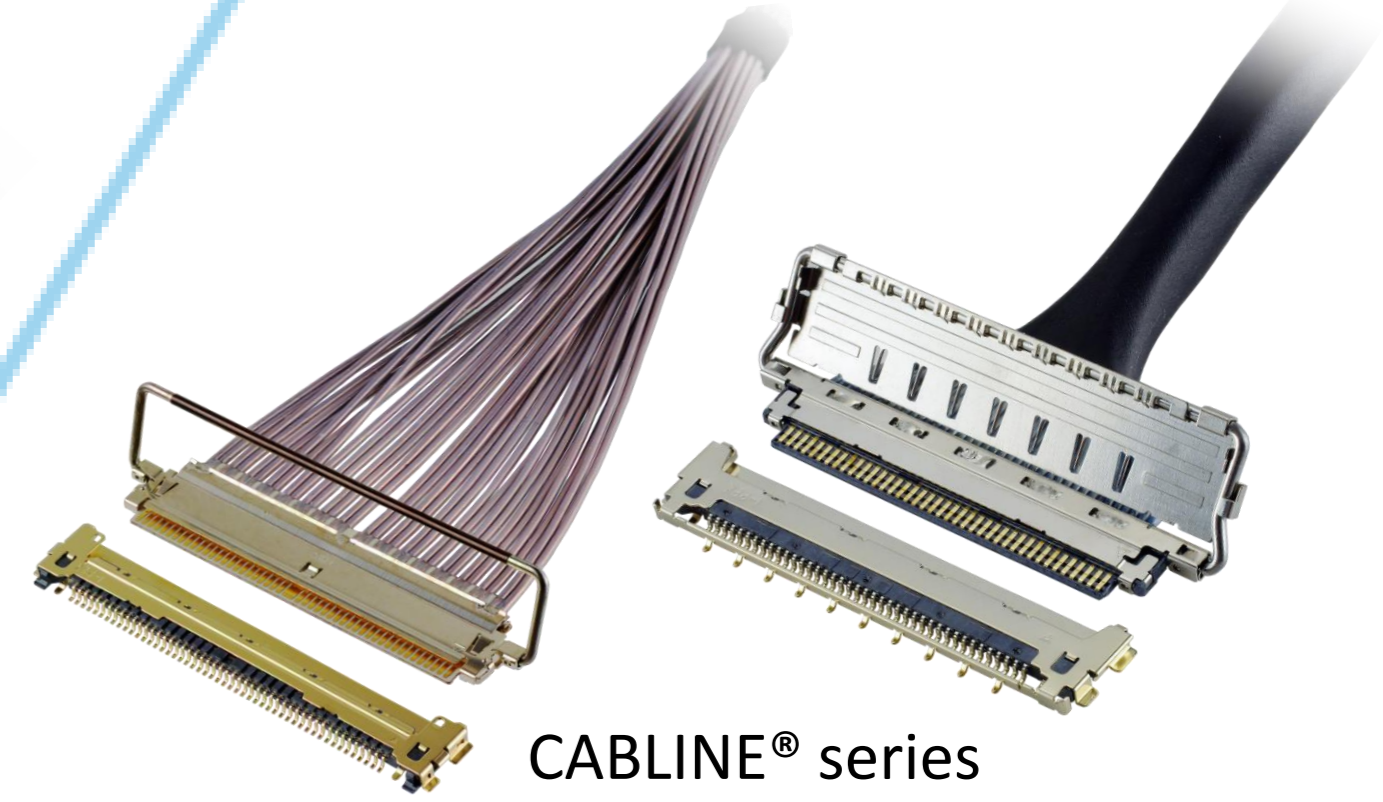


Rev.0

# Custom Connectors Available

 RF Connectors

MHF® series



CABLINA® series

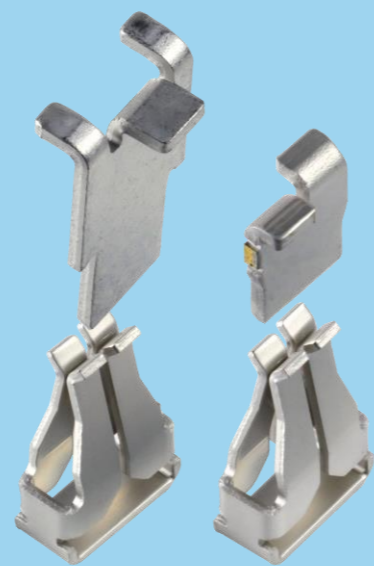


Micro-coaxial/Twinax Connectors

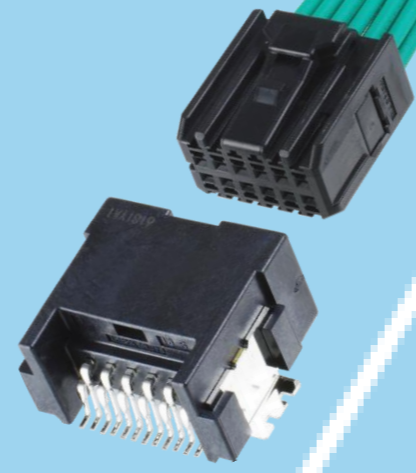


Wire-to-Board Connectors/Terminals

AP series



ISH® series



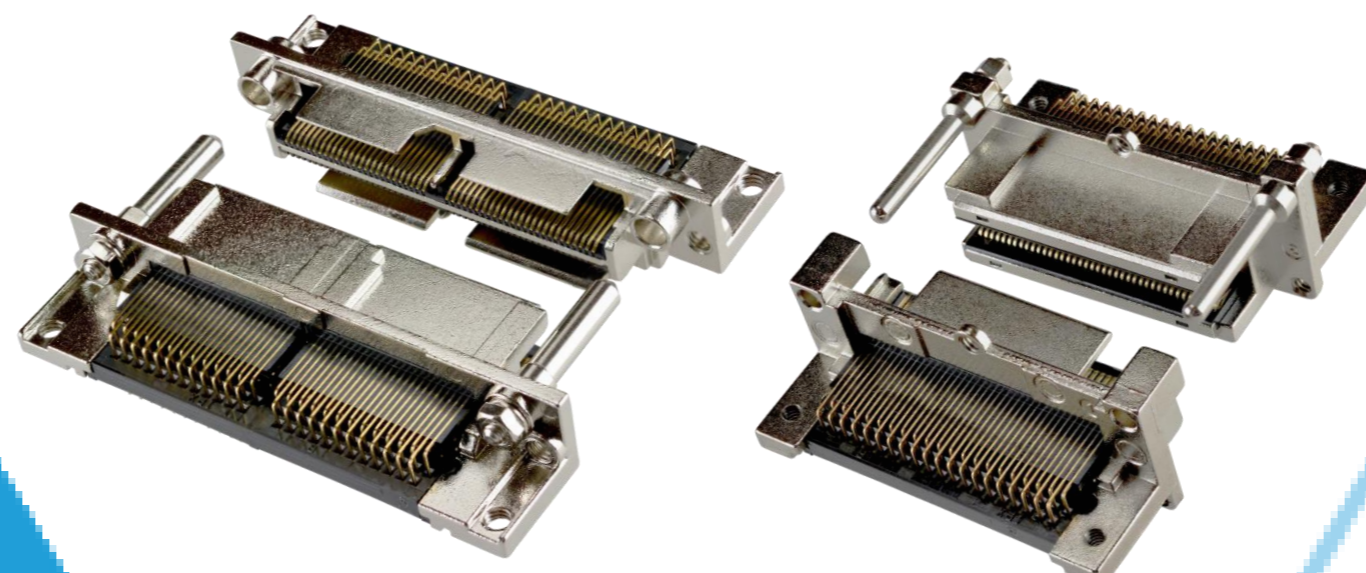
NOVASTACK® series



Board-to-Board Connectors



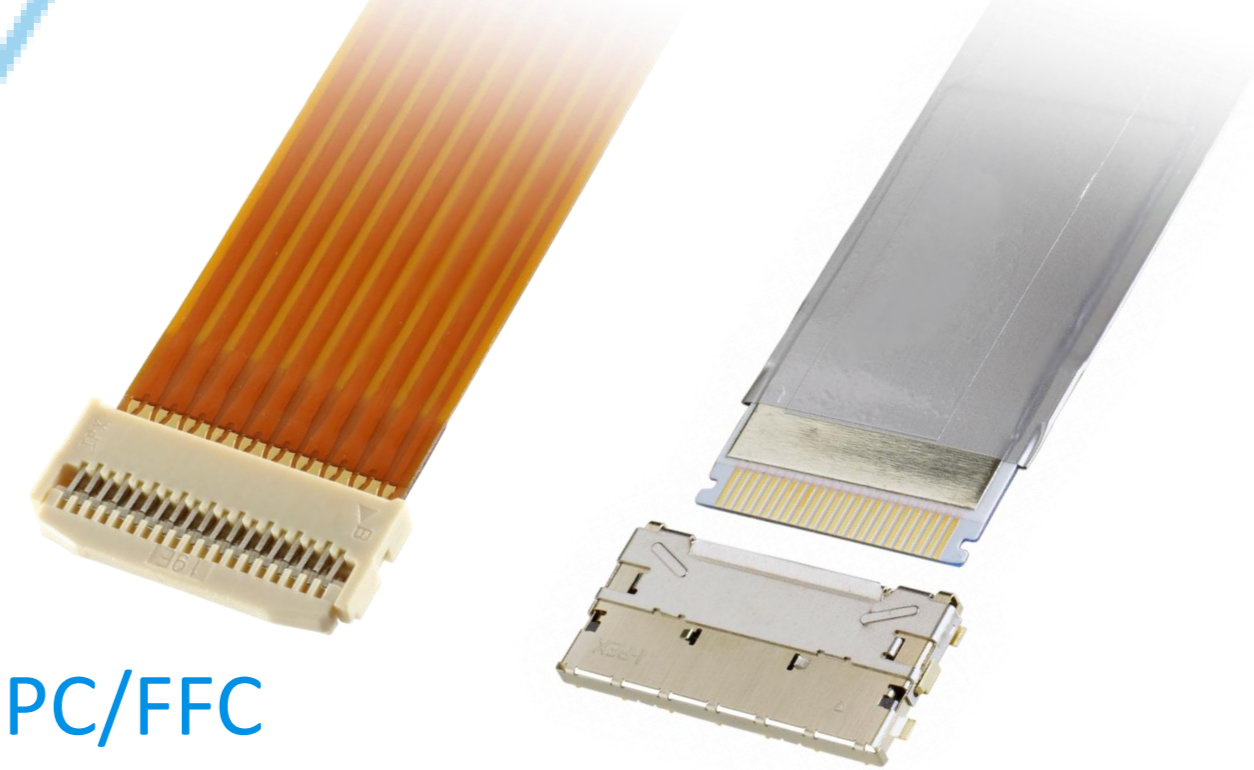
I/O Connectors



MINIDOCK™ series

MINIFLEX® series

EVAFLEX® series



FPC/FFC Connectors



Inquiry



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