




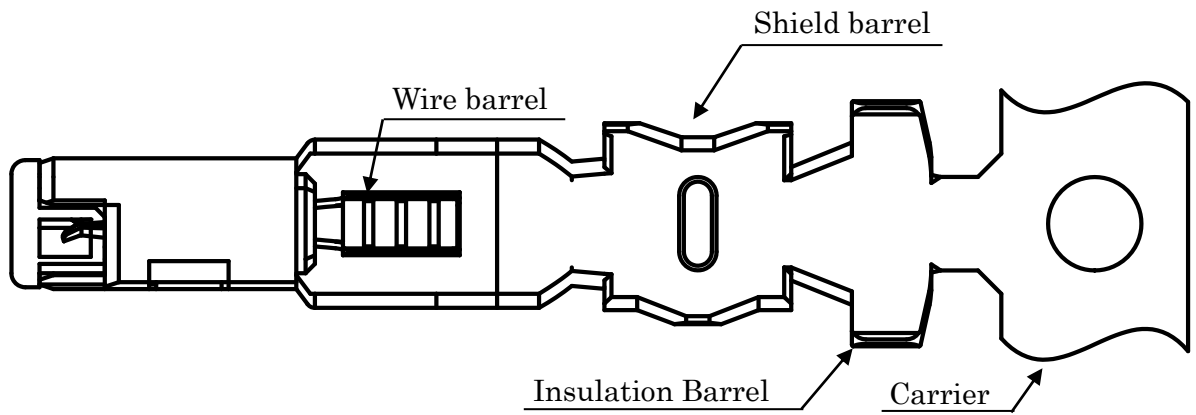
GT21B

Terminal Instruction Manual

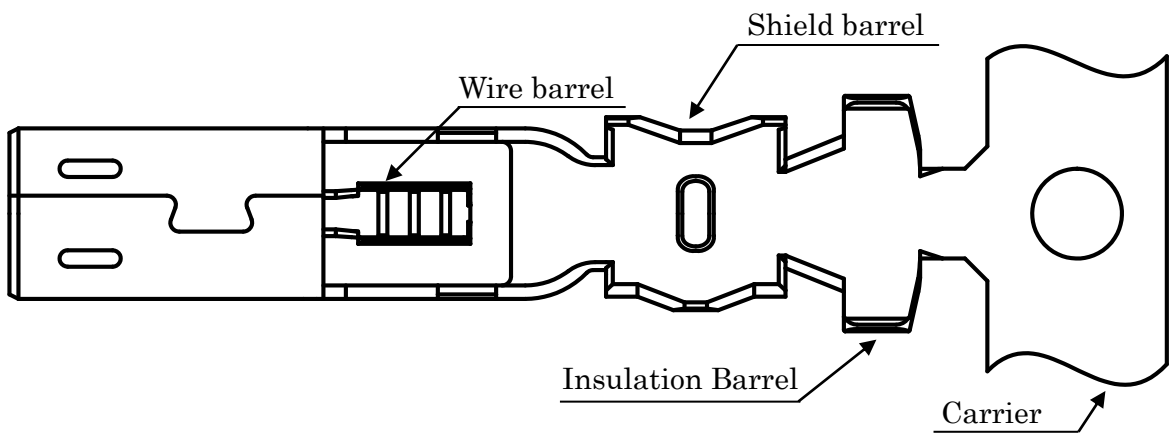
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	0				
TITLE GT21B Terminal Instruction Manual			 HIROSE ELECTRIC CO., LTD.		
			APPROVED	KI. HIROKAWA	20210701
			CHECKED	MH. YAMAGUCHI	20210701
			DESIGNED	HK. WATANABE	20210701
			WRITTEN	HK. WATANABE	20210701
TECHICAL SPECIFICATION			ETAD-T0685-01		1 / 8

1. Configuration

GT21B-2426/1.6-2.9SCF Female terminal



GT21B-2426/1.6-2.9PCF Male terminal



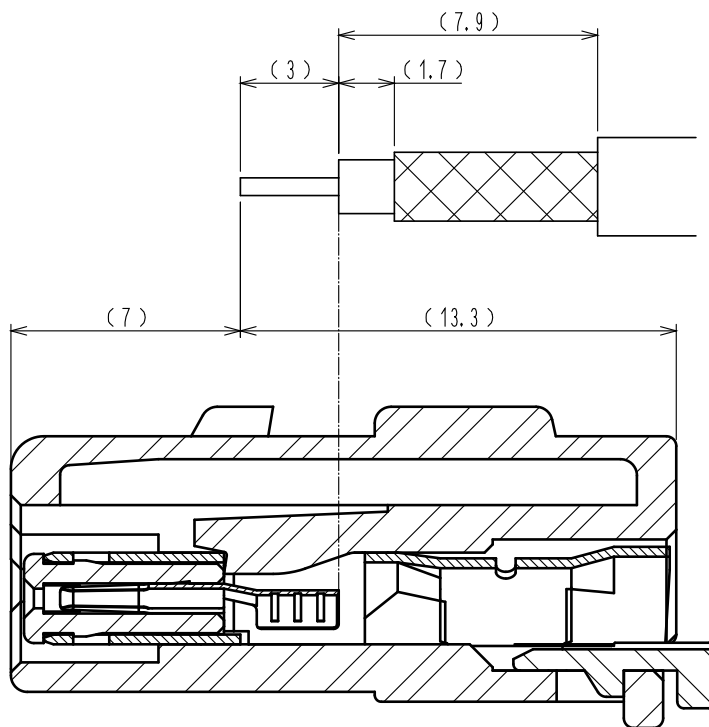
2. Crimping procedure

(1) Stripping the cable

The stripping specification and the cable cut dimensions after crimping are shown below.

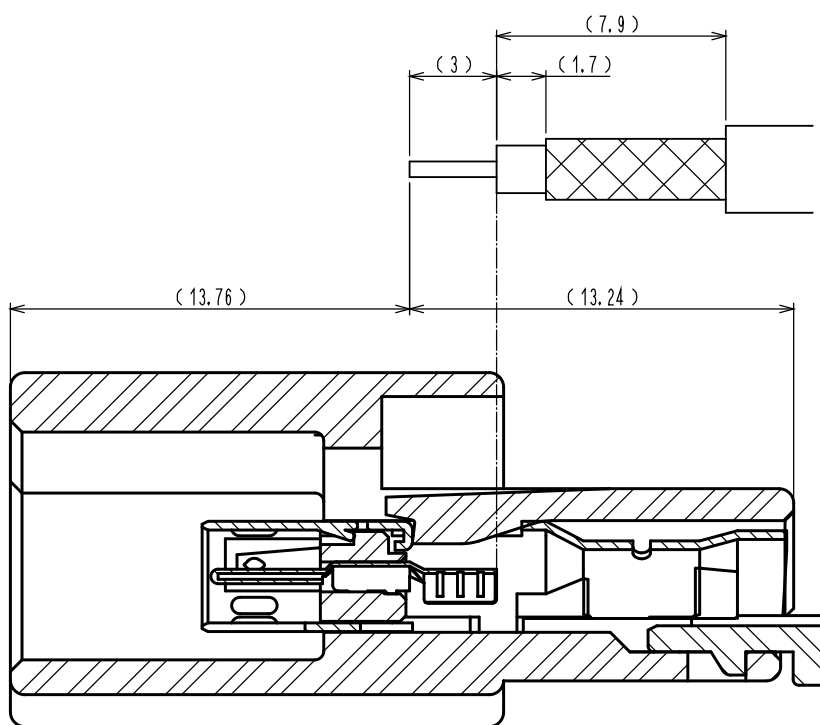
Cable cut dimensions (GT21B-2426/1.6-2.9SCF + S type housing)

GT21T-1S-HU (GT21-1S-HU(*))



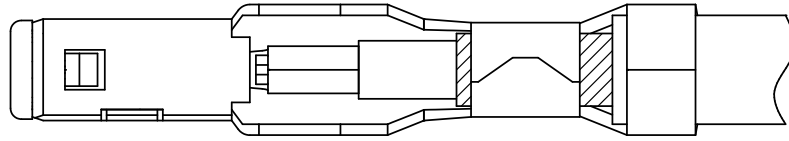
Cable cut dimensions (GT21B-2426/1.6-2.9PCF + P type housing)

GT21N-1PP-HU(*)

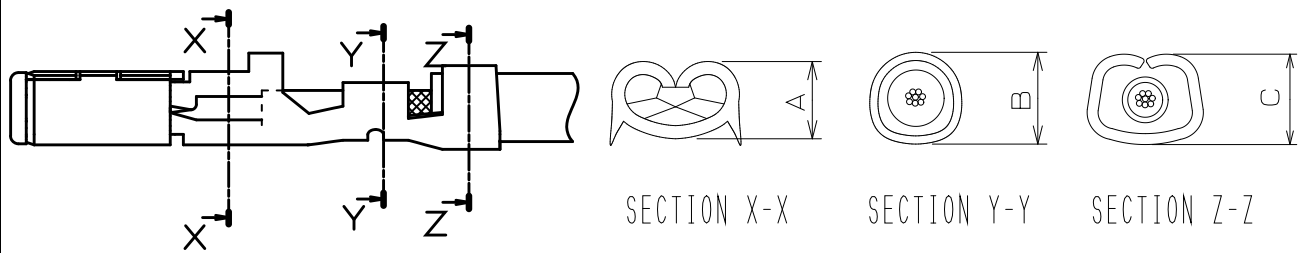


Note) The dimensions of the stripping specification are recommended values. In order to satisfy the quality of crimping, please verify the crimp quality standard.

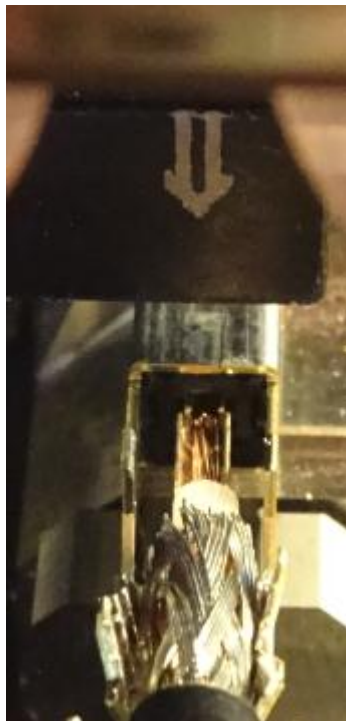
(2) Crimping



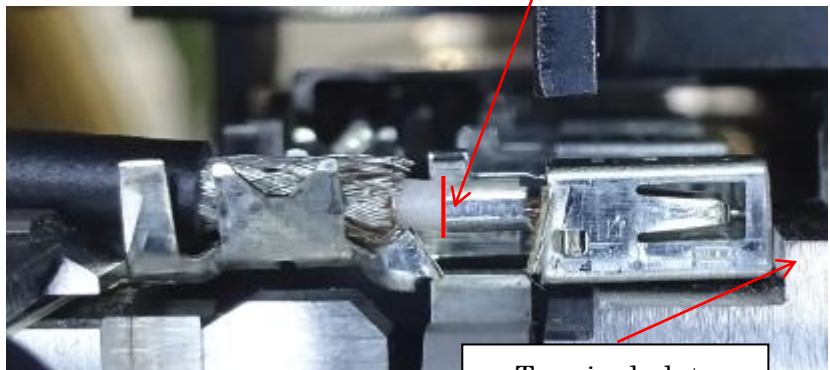
- ① Use our company's applicator for crimping
- ② Inspection before crimping
 - Before crimping, verify if any foreign matter is on the crimper and the anvil. If so, clear it away.
 - When setting up the terminal, verify there is no interference between the terminal and the terminal plate (Picture1). (In case of interference, the terminal cannot be set up correctly.)
 - Verify the crimping data of the appropriate cable and, measure the C/H as shown on the cross-section below.



When crimping, set the stripped coaxial cable by making the contact with the wire barrel and the dielectric of the cable, as shown in the Picture1.



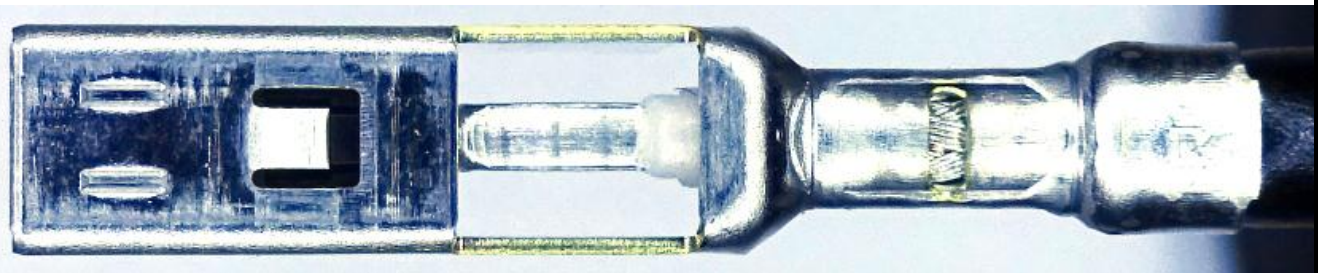
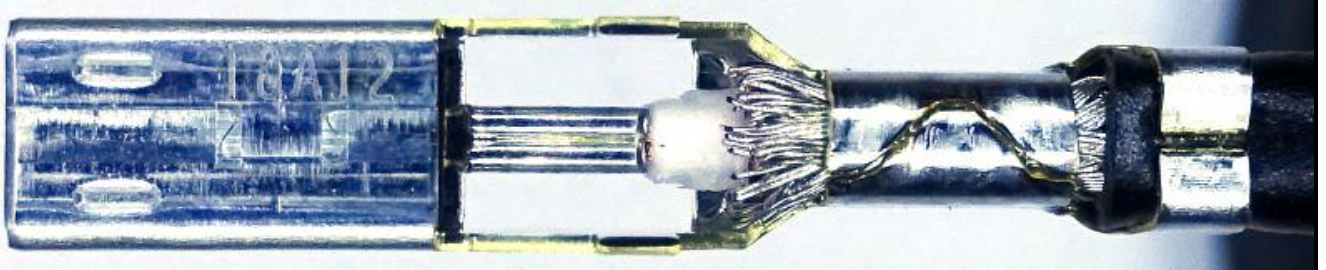
【Reference for the position of the cable】
Wire barrel



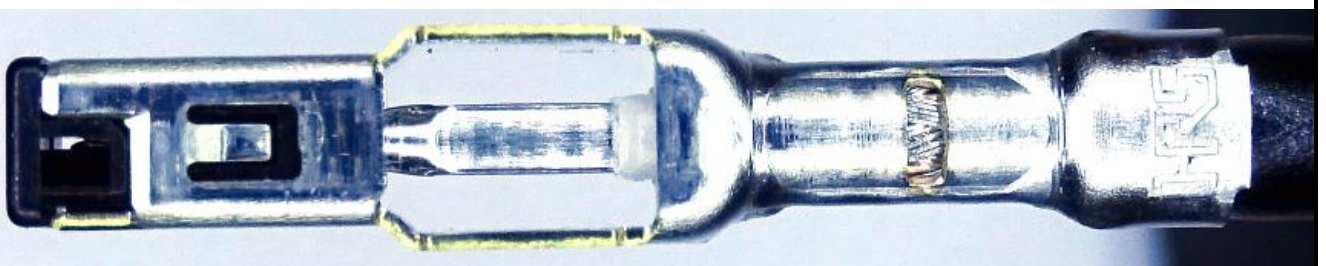
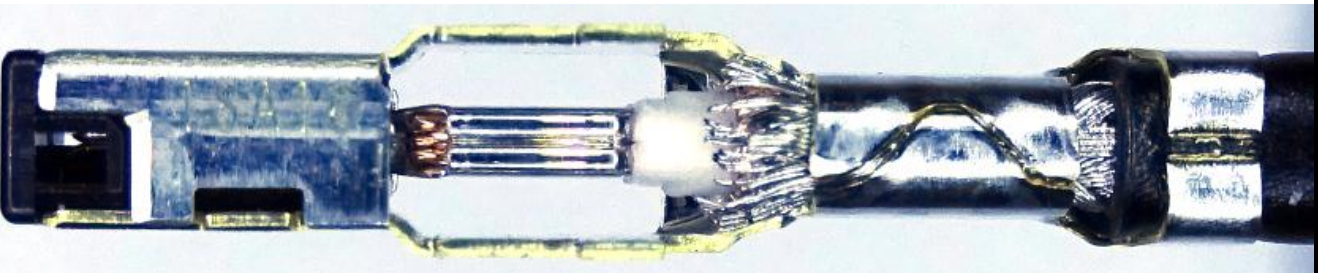
Picture1 Cable position at the crimping

Appearance after crimping

The appearance after crimping is shown in Picture2. The dielectric of the cable may be deformed but it doesn't affect the product's function.



GT21B-2426/1.6-2.9PCF Appearance after crimping



GT21B-2426/1.6-2.9SCF Appearance after crimping

Picture2 Appropriate appearance after crimping

The shield braid may be trapped between the edges of the shield barrel but it does not affect the quality of the product unless it exceeds the area of the shield barrel.

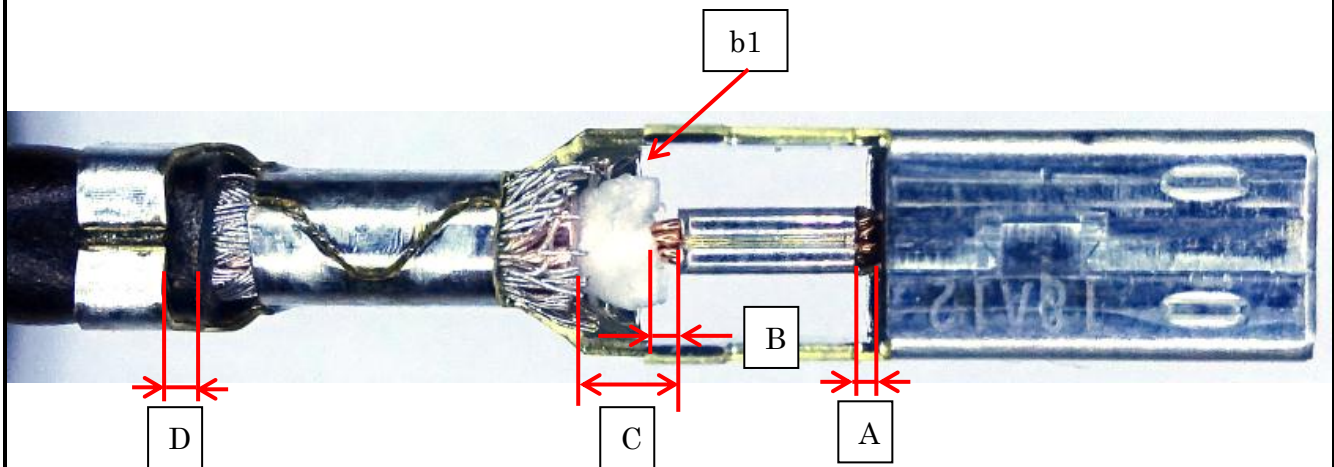
Crimp quality standard

① Position of crimping

A※1	0.1 MIN
B※2	0.35 MAX
C	1.0-2.0
D	0.3-1.0

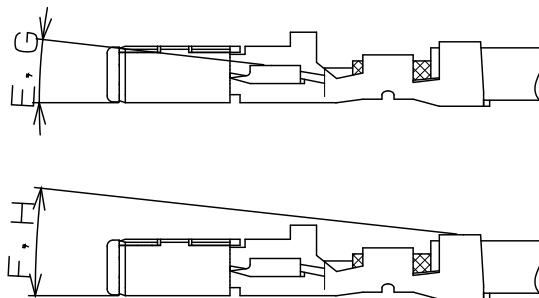
※1 There is no problem in quality if the wire can be verified at the edge of the wire barrel.

※2 In case of inspecting by appearance, verify that the cable dielectric exceeds b1.



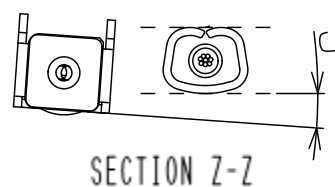
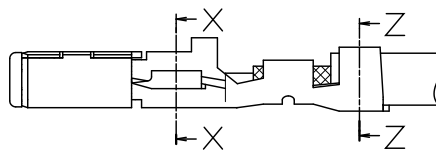
② Bending up, bending down

E	-10° MAX
F	-5° MAX
G	10° MAX
H	5° MAX



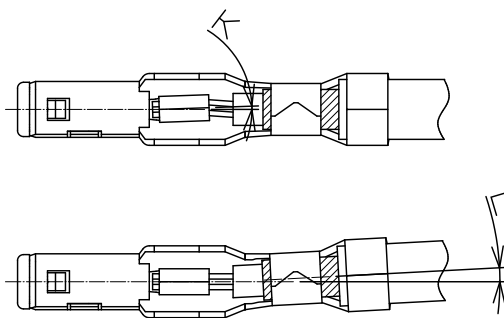
③ Rolling

I	±5° MAX
J	±5° MAX



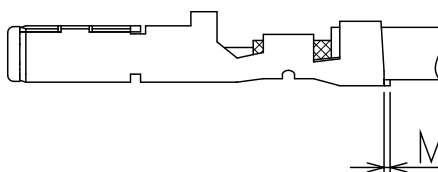
④ Twisting

K	$\pm 5^\circ$ MAX
L	$\pm 5^\circ$ MAX



⑤ Cutoff tab

M	0.3MAX
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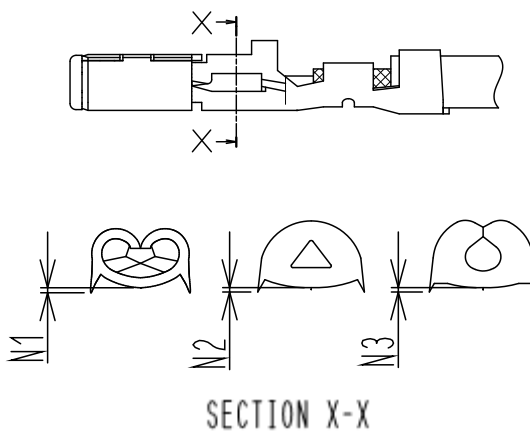


⑥ Crimp burr height

N1	0.05MAX
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N2	0.15MAX
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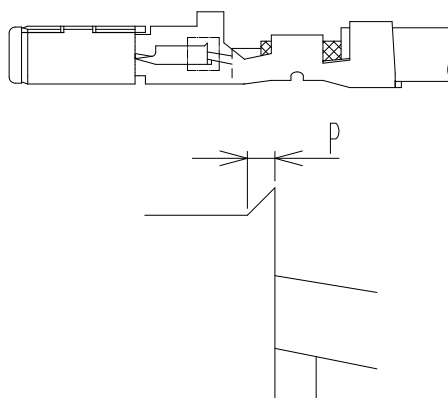
N3	0.05MAX
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SECTION X-X

⑦ Bell mouth

P	0.1-0.4
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(4) Recommended inspection

① Appearance

Should be free from flaws, deformations, plating separation etc.

② Withstand voltage

Should be free from short circuit or insulation breakage when 600V AC is applied for one second.

2mA leak current should be regarded as insulation breakage.

③ Conduction

The inner conductor and outer conductor should be conductive.

4. Instructions

- (1) Do not touch the terminal contacts or inside of the barrel.
- (2) Do not put any object on a terminal. Do not drop terminals. Otherwise, terminals may be deformed or become dirty. Handle terminals carefully.
- (3) Do not pull terminals forcibly when they are entangled. Disentangle carefully to avoid deforming them.
- (4) Be careful not to deform terminals when touching them.
- (5) Do not store terminals in a dusty place.
- (6) Do not apply intense shocks to terminals.
- (7) Do not put wire harnesses on the floor.
- (8) Connectors are easily affected by shocks. Do not throw or swing them.
- (9) Do not handle parts in such a manner as the connector is deformed or flawed or terminals are deformed.

5. Storage Conditions

Storage place	Temperature & humidity conditions	Storage period
Indoor storage	15~30°C、60%RH or less	Six months (in our packing condition)

Store the products in a place that meets the following conditions, if they cannot be stored in an air-conditioned warehouse as shown above. Do not store the products in a place with much humidity or dust, exposure to direct sunlight, etc.

Storage place	Temperature & humidity conditions	Storage period
Indoor storage	-30~60°C、60%RH or less	Six months (in our packing condition)