

11	GASKET B	SILICONE	1	-	
10	CENTER PIN	BRASS	1	Au	
9	CLAMP NUT	BRASS	1	Ni	
8	CLAMP CAP	BRASS	1	Ni	
7	CLAMP	BRASS	1	Ni	
6	BUSH	BRASS	1	Ni	
5	INSULATOR	PTFE	1	-	
4	HOLDING RING	Phosphor bronze	1	-	
3	BODY	BRASS	1	Ni	
2	GASKET A	SILICONE	1	-	
1	SHELL	BRASS	1	Ni	
NO.	DESCRIPTION	MATERIAL	Q'TY	FINISH	REMARK

SCALE 2/1

UNIT mm

DATE 2021.03.26

DRAWN	CHECKED	APPROVED	CONFIRMATION	PART NUMBER
渡邊	檜	山	三	NP-10/U
'21.03.26	'21.03.26	'21.03.26	'21.03.26	
直弘	澤	本	村	
投影法	投	影	法	
株式会社 トーコン	TO-CONNE CO., LTD.			
DRAWING NO.	Y-0510837			

RoHS Compliant	Cd ≤ 75 ppm
REMARKS	BRASS: Cd ≤ 75 ppm PHOSPHOR BRONZE: Pb < 4wt%

PRODUCT SPECIFICATION

Part number: NP-10/U

No. 0510144

Drawing number: Y-0510837

Nominal 1 Standard

MIL-C-39012

2 Voltage rating

AC 500V

3 Frequency range

6GHz

4 Impedance

50 Ω



株式会社 トーコネ
TO-CONNE CO., LTD.

	Test Items	Procedures/Test Method	Requirements
1	Design and Construction	Specified on relevant product drawing (Drawing number: Y-0510837)	No defects or abnormalities
2	Materials		
3	Finish		
4	Insulation Resistance	DC 500V	1000 MΩ (Min.)
5	Withstand voltage	1 minute at AC 1000V	No defects or abnormalities
6	Contact resistance	The method of which, the voltage drop of the contact duration should not exceed about 1-kHz AC or 1mV DC	3mΩ (max.)
7	Compatibility	Mating with connector complying with the standard	No defects or abnormalities
8	Engagement force	When axial tensile force of 300N is applied	Shell should have no abnormalities
9	Durability	Over 5,000 matings	Contact resistance under 10mΩ

	REVISIONS	DATE
1		
2		

Confirmation	Approved	Checked	Prepared
三 21.03.26 村	山 21.03.26 本	檜 21.03.26 澤	渡邊 21.03.26 直弘

NP-10/U Cable Assembly Instructions

All parts of the connector as shown

DRAWING No. Y-0510837



DRAWN CHECKED APPROVED CONFIRMATION

渡邊 '21.03.26 直弘	檜 '21.03.26 澤	山 '21.03.26 本	三 '21.03.26 村
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Clamp

Clamp cap

Center pin



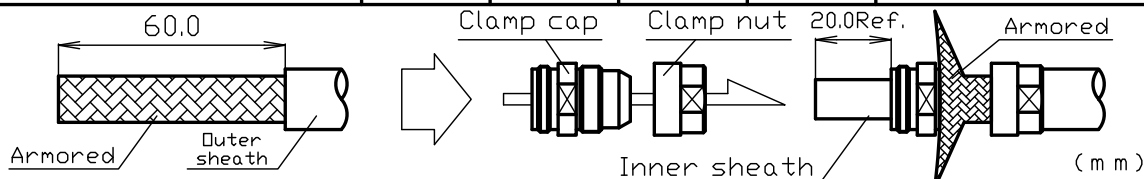
Shell



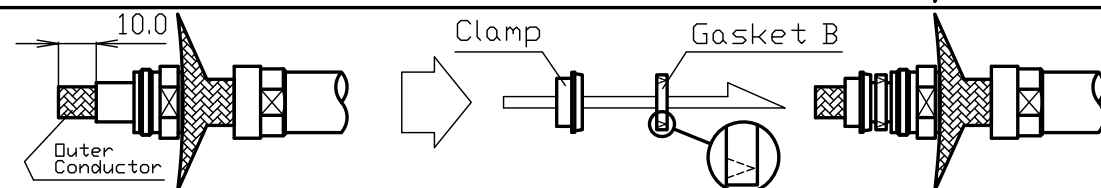
Gasket B



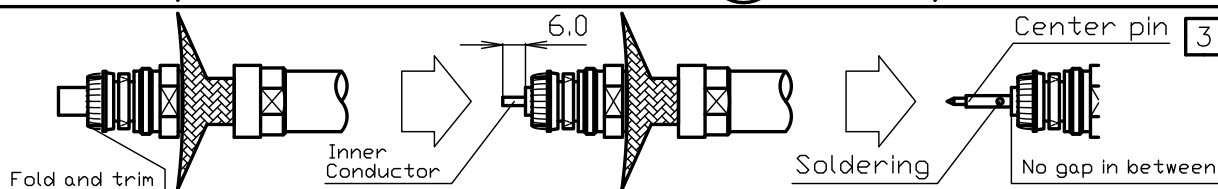
Clamp nut



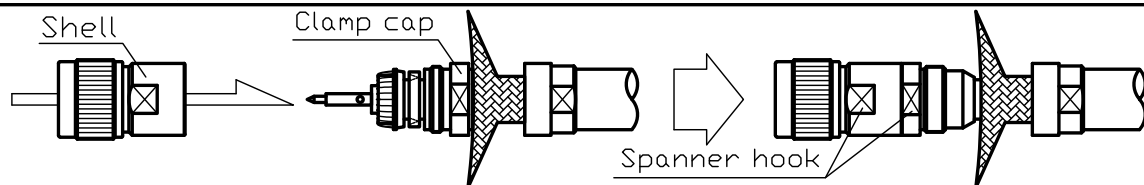
- Slide nut over cable and cut outer sheath to the dimensions shown. Comb out armored braid and fold out. Slide the cap to the inner sheath.
*Here if 20.0mm of space is prepared between the edge of the cap and the end of the cable, the work in the next move will become a lot easier.



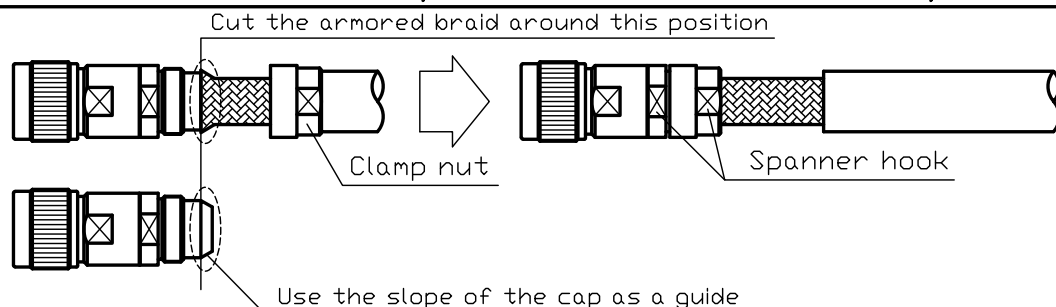
- Cut the inner sheath to the dimensions shown. Slide gasket B and clamp on to outer conductor. The V-groove in the gasket should face the correct direction as shown in diagram.



- Fold back outer conductor as shown, trim to proper length and form over clamp as shown. Cut insulation to dimension shown in diagram and expose the inner conductor. Attach center pin to inner conductor and solder. Do not use excess solder, also make sure there is no gap in between the insulator and center pin. After solder, slightly pull the contact pin and make sure it is securely attached.



- Insert assembly into connector body, tighten nut securely with wrench.



- Cut the armored braid as shown in the figure, using the slop of the cap as a guide. Tighten the nut and cap to complete the assembly.