

Electrical performance		
Characteristic impedance	50 Ω	
Frequency range	DC to 6 GHz	
Standing wave ratio(VSWR)	≤1.20 (DC~6G)	
withstand voltage	≤0.2dB@6G	
working voltage	1000 V rms	
Test voltage	2500 V rms	
Insulation resistance	≥5000M Ω	
Center pin contact resistance	N≤1mΩ, IPEX≤5mΩ	
Conductor contact resistance	N≤1mΩ, IPEX≤2.5mΩ	
Center conductor retention force	N≥0.56N, IPEX≥0.28N	
Intermodulation 3rd order	N/A	
Coupling test torque	≤1.7Nm	
Mechanical and environment		
Temperature range	-40~+155℃	
Salt spray test time	96H	
Airtight	N/A	
durability	≥500 cycles	
Materials		
Connector parts	Material	Plating
Center contact	bronze	Au
Outer contact	brass	CuSnZn
Dielectric	PTFE	
Connector sleeve	brass	CuSnZn
Sealing ring	Red silicone rubber	




Technical drawing of a mechanical assembly, showing a side view and a cross-section A-A.

**Side View Dimensions:**

- Overall length: 30.5
- Top flange diameter:  $5 \setminus 8-24\text{UNEF}-2\text{B}$
- Central body diameter:  $15.8$
- Central body length: 9.5
- Bottom flange diameter:  $5 \setminus 8-24\text{UNEF}-2\text{A} (\phi 15.8)$
- Bottom flange thickness: 1.5
- Bottom flange hole diameter:  $\phi 2-0.03$
- Material specification: N\IPX-50J1Y
- Surface finish: SW19
- Quantity: (32)

**Cross-section A-A Dimensions:**

- Outer diameter:  $S=13.5$
- Inner diameter:  $15.8$
- Thickness: 1.5

CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE		STANDARD TOLERANCES (Unless stated otherwise)		Product design		<div></div> <div>戴盛通信</div> <div>Dashing Com-Tek Co., Ltd</div>	
Any statements in this article shall not be interpreted as suggesting infringement of existing patents. Individual values may vary depending on factors including but not limited to application, design, cable type, assembly, and others workmanship	Geometric tolerances	Positional tolerance		Design		TITLE:  N\IPX-50JJY	
		X	.X	Drawn			
	0-6	±0.1	±0.05	Workmanship			Drawing No.:  DS3. 650. 1766
	6-10	±0.1	±0.05	Checked			
	10-30	±0.15	±0.10	Approvals			
	ANGLE ±1°	>30	±0.15	±0.10	As mension		 
Scale:							
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