

# D系列 18GHz 超低損耗穩幅穩相電纜組件

D-series 18GHz Ultra Low Loss Phase Stable Cable Assembly

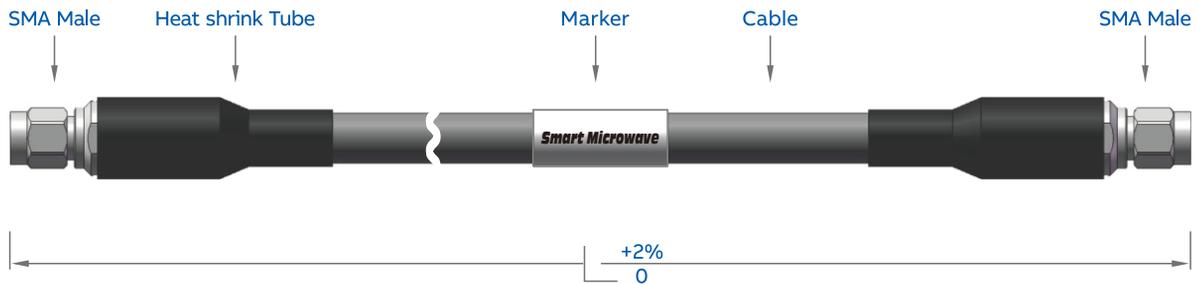
## 產品規格書

Specification

產品型號 Part No.	<b>D18-SMSM-L</b>
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電氣性能	Electrical Characteristics	
工作頻率	Frequency	DC - 18 GHz
特性阻抗	Impedance	50 Ω
絕緣電阻	Insulation Resistance	5000 mΩ
介質耐壓	Dielectric Withstanding Voltage	2000 V
屏蔽效率	Shielding Effectiveness	≥ 90 dB
傳播速率	Velocity of Propagation	83%
電壓駐波比	VSWR	1.30 Max
溫度相位穩定性	Phase Stability vs. Temperature	≤ 550 PPM (-55°C ~ +85°C)
彎曲相位穩定性	Phase Stability vs. Flexure	≤ ±2°
彎曲幅度穩定性	Amplitude stability	≤ ±0.05 dB

### 外形圖 Outline



機械與環境性能	Mechanical and Environmental Characteristics	
電纜外徑	Cable Diameter	7.4mm
最小彎曲半徑	Min. Bend Radius	74 mm
工作溫度	Operating Temperature Range	-55°C ~ +165°C

組件衰減指標	Attenuation				
電纜組件型號	Part No.	3GHz	6GHz	12.4GHz	18GHz
	D18-SMSM-0.5M	0.28 dB	0.39 dB	0.56 dB	0.68 dB
	D18-SMSM-1.0M	0.42 dB	0.59 dB	0.85dB	1.02 dB
	D18-SMSM-1.5M	0.55 dB	0.78 dB	1.13 dB	1.37 dB
	D18-SMSM-2.0M	0.69 dB	0.98 dB	1.41 dB	1.71 dB
	D18-SMSM-3.0M	0.97 dB	1.37 dB	1.98 dB	2.39 dB
	D18-SMSM-5.0M	1.52 dB	2.15 dB	3.11 dB	3.76 dB

連續波功率	CW Power ( sea level / 25°C)	965 W	679 W	469 W	387 W

**注** 電纜組件接頭和長度可接受定制。Different connector types and the lengths of D series cable assembly are available. In the effort to improve our products, Smart Microwave reserves the right to make changes judged to be necessary.

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# D系列 26.5GHz 超低損耗穩幅穩相電纜組件

D-series 26.5GHz Ultra Low Loss Phase Stable Cable Assembly

## 產品規格書

Specification

產品型號 Part No.

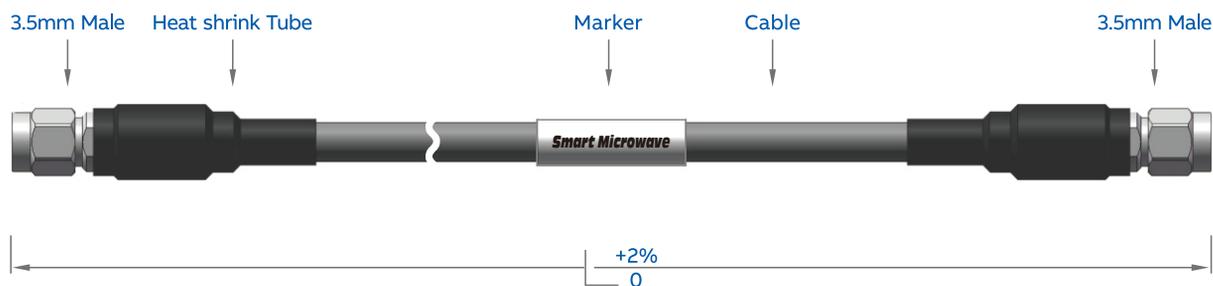
**D26-35M35M-L**

### 電氣性能

### Electrical Characteristics

工作頻率	Frequency	DC - 26.5 GHz
特性阻抗	Impedance	50 Ω
絕緣電阻	Insulation Resistance	5000 mΩ
介質耐壓	Dielectric Withstanding Voltage	1500 V
屏蔽效率	Shielding Effectiveness	≥ 90 dB
傳播速率	Velocity of Propagation	83%
電壓駐波比	VSWR	1.30 Max
溫度相位穩定性	Phase Stability vs. Temperature	≤ 550 PPM (-55°C ~ +85°C)
彎曲相位穩定性	Phase Stability vs. Flexure	≤ ±2°
彎曲幅度穩定性	Amplitude stability	≤ ±0.05 dB

### 外形圖 Outline



### 機械與環境性能 Mechanical and Environmental Characteristics

電纜外徑	Cable Diameter	5.1mm
最小彎曲半徑	Min. Bend Radius	51 mm
工作溫度	Operating Temperature Range	-55°C ~ +165°C

### 組件衰減指標 Attenuation

電纜組件型號	Part No.	6GHz	12.4GHz	18GHz	26.5GHz
	D26-35M35M-0.5M	0.49 dB	0.71 dB	0.86 dB	1.05 dB
	D26-35M35M-1.0M	0.78 dB	1.13 dB	1.38 dB	1.69 dB
	D26-35M35M-1.5M	1.07 dB	1.56 dB	1.90 dB	2.32 dB
	D26-35M35M-2.0M	1.37 dB	1.99 dB	2.42 dB	2.96 dB
	D26-35M35M-3.0M	1.95 dB	2.84 dB	3.45 dB	4.24 dB
	D26-35M35M-5.0M	3.12 dB	4.55 dB	5.53 dB	6.79 dB
連續波功率	CW Power ( sea level / 25°C)	368 W	252 W	207 W	169 W

**注** 電纜組件接頭和長度可接受定制。Different connector types and the lengths of D series cable assembly are available. In the effort to improve our products, Smart Microwave reserves the right to make changes judged to be necessary.

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# D系列 40GHz 超低損耗穩幅穩相電纜組件

D-series 40GHz Ultra Low Loss Phase Stable Cable Assembly

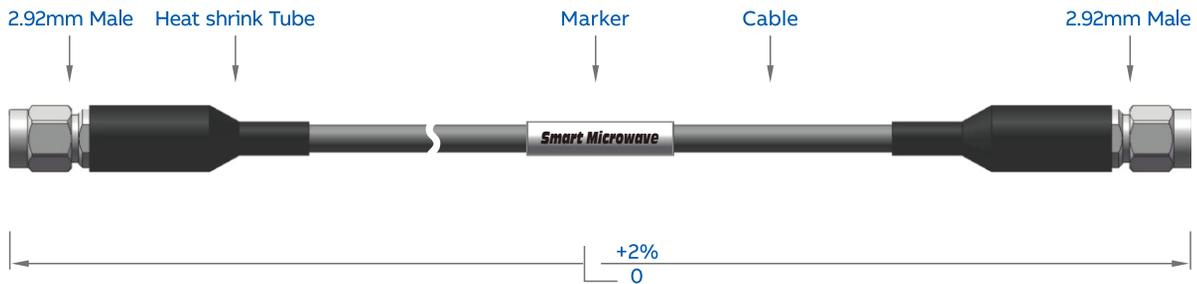
## 產品規格書

Specification

產品型號 Part No.	<b>D40-29M29M-L</b>
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電氣性能	Electrical Characteristics	
工作頻率	Frequency	DC - 40 GHz
特性阻抗	Impedance	50 Ω
絕緣電阻	Insulation Resistance	5000 mΩ
介質耐壓	Dielectric Withstanding Voltage	1000 V
屏蔽效率	Shielding Effectiveness	≥ 90 dB
傳播速率	Velocity of Propagation	83%
電壓駐波比	VSWR	1.30 Max
溫度相位穩定性	Phase Stability vs. Temperature	≤ 550 PPM (-55°C ~ +85°C)
彎曲相位穩定性	Phase Stability vs. Flexure	≤ ±2°
彎曲幅度穩定性	Amplitude stability	≤ ±0.05 dB

### 外形圖 Outline



機械與環境性能	Mechanical and Environmental Characteristics	
電纜外徑	Cable Diameter	3.6 mm
最小彎曲半徑	Min. Bend Radius	36 mm
工作溫度	Operating Temperature Range	-55°C ~ +165°C

組件衰減指標	Attenuation				
電纜組件型號	Part No.	12.4GHz	18GHz	26.5GHz	40GHz
	D40-29M29M-0.5M	0.96 dB	1.17 dB	1.44 dB	1.78 dB
	D40-29M29M-1.0M	1.65 dB	2.01 dB	2.46 dB	3.06 dB
	D40-29M29M-1.5M	2.33 dB	2.84 dB	3.48 dB	4.34 dB
	D40-29M29M-2.0M	3.02 dB	3.67 dB	4.51 dB	5.62 dB
	D40-29M29M-3.0M	4.39 dB	5.34 dB	6.56 dB	8.18 dB
	D40-29M29M-5.0M	7.13 dB	8.67 dB	10.65 dB	13.29 dB
連續波功率	CW Power ( sea level / 25°C)	139 W	115 W	93 W	75 W

**注** 電纜組件接頭和長度可接受定制。Different connector types and the lengths of D series cable assembly are available. In the effort to improve our products, Smart Microwave reserves the right to make changes judged to be necessary.

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# D系列 50GHz 超低損耗穩幅穩相電纜組件

D-series 50GHz Ultra Low Loss Phase Stable Cable Assembly

## 產品規格書

Specification

產品型號 Part No.

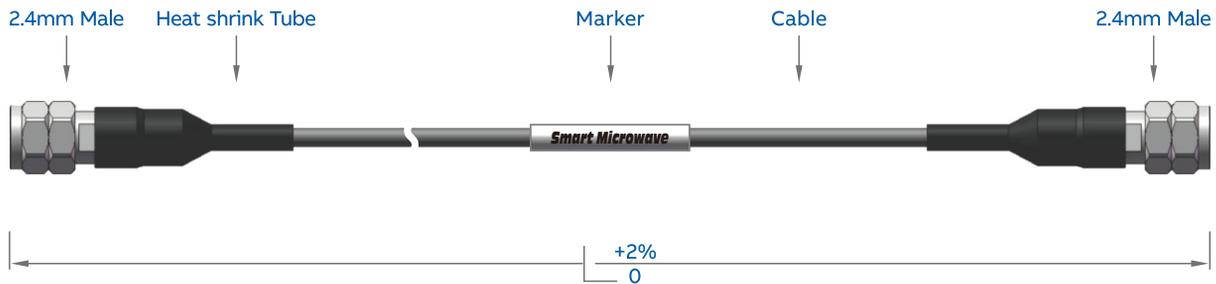
**D50-24M24M-L**

### 電氣性能

### Electrical Characteristics

工作頻率	Frequency	DC - 50 GHz
特性阻抗	Impedance	50 Ω
絕緣電阻	Insulation Resistance	5000 mΩ
介質耐壓	Dielectric Withstanding Voltage	400 V
屏蔽效率	Shielding Effectiveness	≥ 90 dB
傳播速率	Velocity of Propagation	81%
電壓駐波比	VSWR	1.30 Max
溫度相位穩定性	Phase Stability vs. Temperature	≤ 550 PPM (-55°C ~ +85°C)
彎曲相位穩定性	Phase Stability vs. Flexure	≤ ±2°
彎曲幅度穩定性	Amplitude stability	≤ ±0.05 dB

### 外形圖 Outline



### 機械與環境性能 Mechanical and Environmental Characteristics

電纜外徑	Cable Diameter	2.2 mm
最小彎曲半徑	Min. Bend Radius	22 mm
工作溫度	Operating Temperature Range	-55°C ~ +125°C

### 組件衰減指標 Attenuation

電纜組件型號	Part No.	18GHz	26.5GHz	40GHz	50GHz
	D50-24M24M-0.5M	1.77 dB	2.18 dB	2.73 dB	3.08 dB
	D50-24M24M-1.0M	3.21 dB	3.95 dB	4.95 dB	5.59 dB
	D50-24M24M-1.5M	4.65 dB	5.72 dB	7.17 dB	8.11 dB
	D50-24M24M-2.0M	6.08 dB	7.49 dB	9.39 dB	10.62 dB
	D50-24M24M-3.0M	8.95 dB	11.03 dB	13.83 dB	15.65 dB
	D50-24M24M-5.0M	14.69 dB	18.11 dB	22.71 dB	25.71 dB
連續波功率	CW Power ( sea level / 25°C)	21 W	17 W	14 W	12 W

**注** 電纜組件接頭和長度可接受定制。Different connector types and the lengths of D series cable assembly are available. In the effort to improve our products, Smart Microwave reserves the right to make changes judged to be necessary.

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# LV 系列 26.5GHz VNA 穩幅穩相測試電纜組件

LV-series 26.5GHz VNA Phase Stable Cable Assembly

## 產品規格書

Specification

產品型號 Part No.

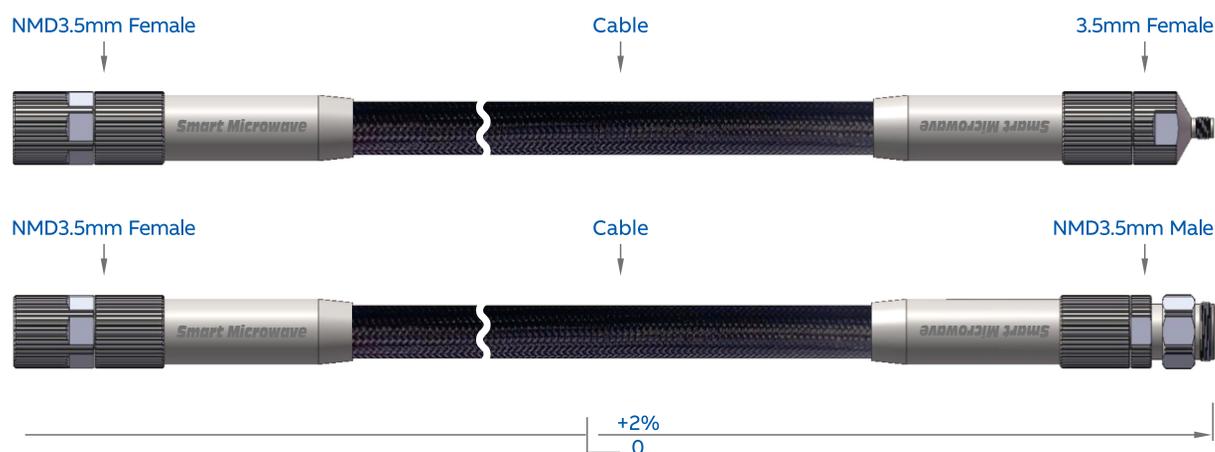
LV26-NMD35/NMD35-630MM

### 電氣性能

### Electrical Characteristics

工作頻率	Frequency	DC - 26.5 GHz
特性阻抗	Impedance	50 Ω
絕緣電阻	Insulation Resistance	5000 mΩ
介質耐壓	Dielectric Withstanding Voltage	500 V
屏蔽效率	Shielding Effectiveness	≥ 90 dB
傳播速率	Velocity of Propagation	76%
電壓駐波比	VSWR	1.25 Max
溫度相位穩定性	Phase Stability vs. Temperature	≤ 550 PPM (-55°C ~ +85°C)
彎曲相位穩定性	Phase Stability vs. Flexure	≤ ±3°
彎曲幅度穩定性	Amplitude stability	≤ ±0.05 dB

### 外形圖 Outline



### 機械與環境性能

### Mechanical and Environmental Characteristics

電纜外徑	Cable Diameter	15 mm
最小彎曲半徑	Min. Bend Radius	80 mm
工作溫度	Operating Temperature Range	-55°C ~ +125°C
組件衰減指標	Attenuation	
電纜組件型號	Part No.	26.5GHz
	LV26-NMD35/NMD35-630MM	1.82 dB
連續波功率	CW Power ( sea level / 25°C)	94 W

**注** 電纜組件接頭和長度可接受定制。Different connector types and the lengths of D series cable assembly are available. In the effort to improve our products, Smart Microwave reserves the right to make changes judged to be necessary.

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# LV 系列 40GHz VNA 穩幅穩相測試電纜組件

LV-series 40GHz VNA Phase Stable Cable Assembly

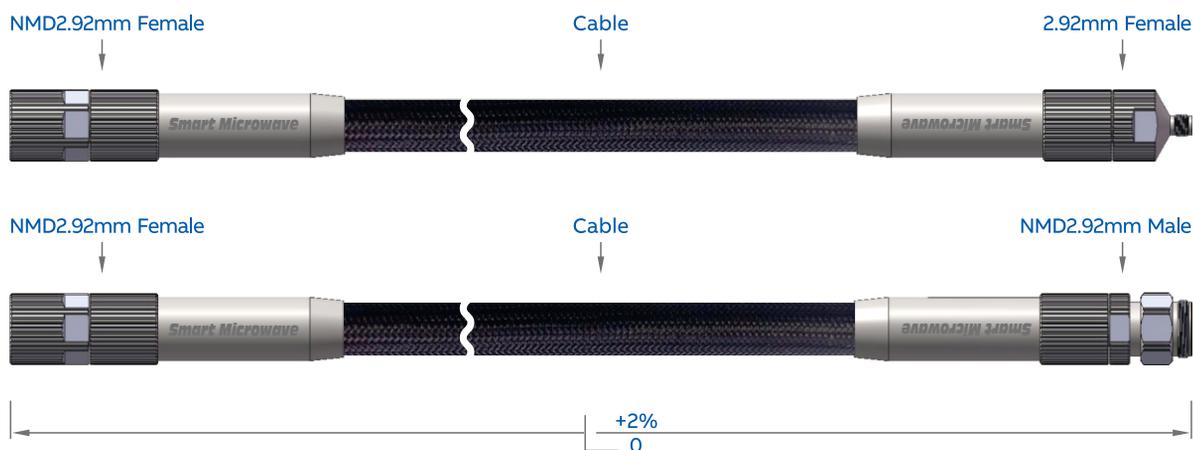
## 產品規格書

Specification

產品型號 Part No.	LV40-NMD29/NMD29-630MM
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電氣性能	Electrical Characteristics	
工作頻率	Frequency	DC - 40 GHz
特性阻抗	Impedance	50 Ω
絕緣電阻	Insulation Resistance	5000 mΩ
介質耐壓	Dielectric Withstanding Voltage	500 V
屏蔽效率	Shielding Effectiveness	≥ 90 dB
傳播速率	Velocity of Propagation	76%
電壓駐波比	VSWR	1.30 Max
溫度相位穩定性	Phase Stability vs. Temperature	≤ 550 PPM (-55°C ~ +85°C)
彎曲相位穩定性	Phase Stability vs. Flexure	≤ ±4°
彎曲幅度穩定性	Amplitude stability	≤ ±0.05 dB

### 外形圖 Outline



機械與環境性能	Mechanical and Environmental Characteristics	
電纜外徑	Cable Diameter	15 mm
最小彎曲半徑	Min. Bend Radius	80 mm
工作溫度	Operating Temperature Range	-55°C ~ +125°C
組件衰減指標	Attenuation	
電纜組件型號	Part No.	40GHz
	LV40-NMD29/NMD29-630MM	2.26 dB
連續波功率	CW Power ( sea level / 25°C)	76 W

**注** 電纜組件接頭和長度可接受定制。Different connector types and the lengths of D series cable assembly are available. In the effort to improve our products, Smart Microwave reserves the right to make changes judged to be necessary.

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# LV 系列 50GHz VNA 穩幅穩相測試電纜組件

LV-series 50GHz VNA Phase Stable Cable Assembly

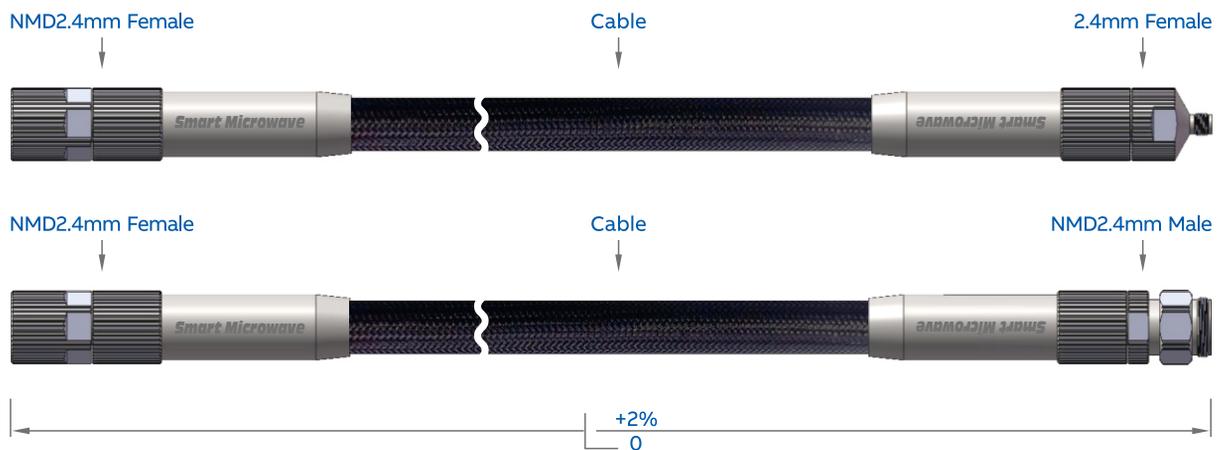
## 產品規格書

Specification

產品型號 Part No.	<b>LV50-NMD24/NMD24-630MM</b>
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電氣性能	Electrical Characteristics	
工作頻率	Frequency	DC - 50 GHz
特性阻抗	Impedance	50 Ω
絕緣電阻	Insulation Resistance	5000 mΩ
介質耐壓	Dielectric Withstanding Voltage	500 V
屏蔽效率	Shielding Effectiveness	≥ 90 dB
傳播速率	Velocity of Propagation	76%
電壓駐波比	VSWR	1.35 Max
溫度相位穩定性	Phase Stability vs. Temperature	≤ 550 PPM (-55°C ~ +85°C)
彎曲相位穩定性	Phase Stability vs. Flexure	≤ ±5°
彎曲幅度穩定性	Amplitude stability	≤ ±0.05 dB

### 外形圖 Outline



機械與環境性能	Mechanical and Environmental Characteristics	
電纜外徑	Cable Diameter	15 mm
最小彎曲半徑	Min. Bend Radius	80 mm
工作溫度	Operating Temperature Range	-55°C ~ +125°C
組件衰減指標	Attenuation	
電纜組件型號	Part No.	50GHz
	LV50-NMD24/NMD24-630MM	2.54 dB
連續波功率	CW Power ( sea level / 25°C)	67 W

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# LV 系列 67GHz VNA 穩幅穩相測試電纜組件

LV-series 67GHz VNA Phase Stable Cable Assembly

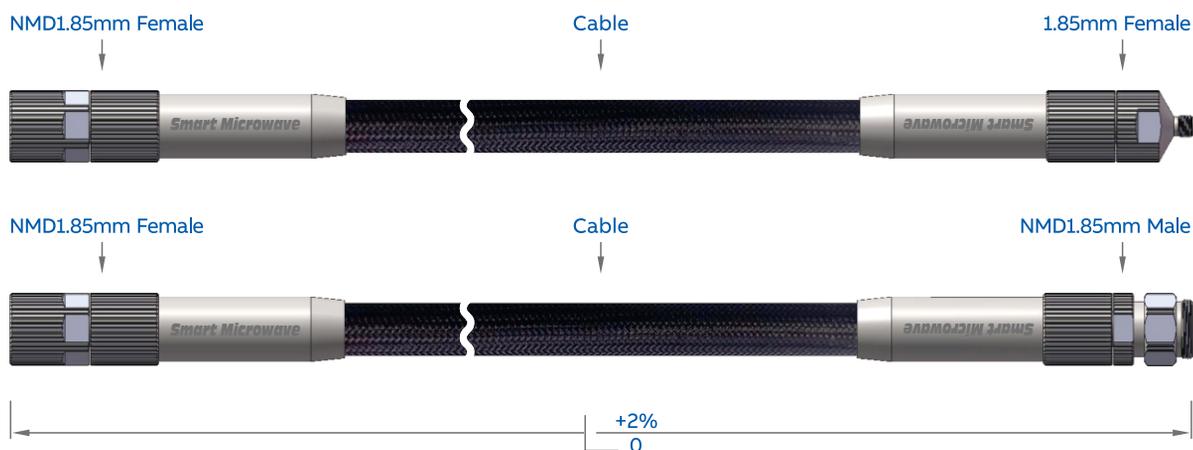
## 產品規格書

Specification

產品型號 Part No.	<b>LV67-NMD18/NMD18-630MM</b>
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電氣性能	Electrical Characteristics	
工作頻率	Frequency	DC - 67 GHz
特性阻抗	Impedance	50 Ω
絕緣電阻	Insulation Resistance	5000 mΩ
介質耐壓	Dielectric Withstanding Voltage	500 V
屏蔽效率	Shielding Effectiveness	≥ 90 dB
傳播速率	Velocity of Propagation	81%
電壓駐波比	VSWR	1.40 Max
溫度相位穩定性	Phase Stability vs. Temperature	≤ 550 PPM (-55°C ~ +85°C)
彎曲相位穩定性	Phase Stability vs. Flexure	≤ ±5°
彎曲幅度穩定性	Amplitude stability	≤ ±0.05 dB

### 外形圖 Outline



機械與環境性能	Mechanical and Environmental Characteristics	
電纜外徑	Cable Diameter	15 mm
最小彎曲半徑	Min. Bend Radius	80 mm
工作溫度	Operating Temperature Range	-55°C ~ +125°C
組件衰減指標	Attenuation	
電纜組件型號	Part No.	67GHz
	LV67-NMD18/NMD18-630MM	4.20 dB
連續波功率	CW Power ( sea level / 25°C)	10 W

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