PRODUCT DATASHEET

JUMPER-MQX

CELLFLEX® Factory-Fit MQX Jumper Assembly, 1/4" Superflexible Foam

Radio Frequency Systems' MQX(Multiple Ports Quick Connector) Jumper features supperflexible 1/4"" multiple-stranded coaxial cables;matches with NM,NF,4.3-10 Male,4.3-10 Female, 7-16 Male,7-16 Female,NEX10 connectors on one side, MQ4 or MQ5 connector soldered on the other side. The progressive welding technique guarantees its stability and excellent exectrical performance.

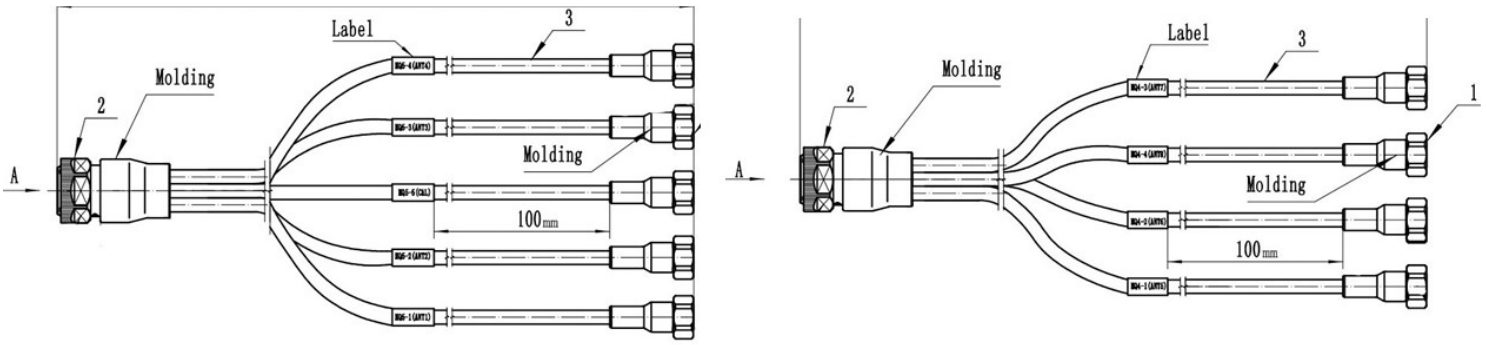
FEATURES / BENEFITS

- Ingenious Design facilitates fast installation and deployment
- Waterproof to IP 67 . No downtime risk, secures revenue.
- Stable Structure guarantees excellent consistency
- Stable VSWR, outstanding and consistent intermodulation performance
- Compliant to RoHS (EU) and CRoHS (China)

Technical features

STRUCTURE		
Cable Type		1/4" Superflexible Foam
Jumper Type		Factory-Fit
Connector A		MQ4 or MQ5
Center Contact Connector A		Beryllium copper,Silver plated
Outer Contact Connector A		Beryllium copper,Silver plated
Coupling Nut Connector A		Brass,Sn-Ni Binary Alloy
Connector B		N Male,N Female,4.3-10 Male,4.3-10 Female, 7-16 Male,7-16 Female,NEX10 Male
Jacket		Black Polyethylene, Halogen-free (Flame Retardant for option)
MECHANICAL SPECIFICATIONS		
Minimum Bend Radius	mm (in)	25 (1)
TESTING AND ENVIRONMENTAL		
Sealing class		IP67
TEMPERATURE SPECIFICATIONS		
Installation Temperature	°C (°F)	-25 to 60 (-13 to 140)
Operation Temperature	°C (°F)	-40 to 70 (-40 to 158)
Storage Temperature	°C (°F)	-40 to 70 (-40 to 158)
ELECTRICAL SPECIFICATIONS		
Intermodulation, 3rd Order	dBc	≤ -155
VSWR, Return Loss	VSWR (dB)	≤ 1.100 (26.5) @ 30 - 2200 MHz ≤ 1.120 (25) @ 2200 - 2700 MHz ≤ 1.160 (22.6) @ 2700 - 3300 MHz ≤ 1.200 (21) @ 3300 - 4200 MHz ≤ 1.250 (19) @ 4200 - 5000 MHz ≤ 1.350 (16) @ 5000 - 6000 MHz

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering



Remark:		
1	Connector B : N , 4.3-10 , 7-16, NEX10	4 or 5 pcs
2	Connector A : MQ4,MQ5	1 pcs
3	SupperFlexible 1/4" Inch coaxial cable	L mm

MQ Port	Label
MQ4-1	MQ4-1(R-)
MQ4-2	MQ4-2(CR-)
MQ4-3	MQ4-3(CL-)
MQ4-4	MQ4-4(L-)
MQ5-1	MQ5-1(R+)
MQ5-2	MQ5-2(CR+)
MQ5-3	MQ5-3(CL+)
MQ5-4	MQ5-4(L+)
MQ5-5	MQ5-4(CAL)

Note：The customized label is subject to confirmation at time of ordering.

Drawings and Label

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Combination		
Model Number	Connector A	Connector B
MQ443MS14-XXXXM	MQ4	4.3-10 Male
MQ543MS14-XXXXM	MQ5	4.3-10 Male
MQ443FS14-XXXXM	MQ4	4.3-10 Female
MQ543FS14-XXXXM	MQ5	4.3-10 Female
MQ4NMS14-XXXXM	MQ4	N Male
MQ5NMS14-XXXXM	MQ5	N Male
MQ4NFS14-XXXXM	MQ4	N Female
MQ5NFS14-XXXXM	MQ5	N Female
MQ47MS14-XXXXM	MQ4	7-16 Male
MQ57MS14-XXXXM	MQ5	7-16 Male
MQ47FS14-XXXXM	MQ4	7-16 Female
MQ57FS14-XXXXM	MQ5	7-16 Female
MQ4NXMS14-XXXXM	MQ4	NEX10 Male
MQ5NXMS14-XXXXM	MQ5	NEX10 Male
MQ443MS14F-XXXXM	MQ4	4.3-10 Male
MQ543MS14F-XXXXM	MQ5	4.3-10 Male
MQ443FS14F-XXXXM	MQ4	4.3-10 Female
MQ543FS14F-XXXXM	MQ5	4.3-10 Female
MQ4NMS14F-XXXXM	MQ4	N Male
MQ5NMS14F-XXXXM	MQ5	N Male
MQ4NFS14F-XXXXM	MQ4	N Female
MQ5NFS14F-XXXXM	MQ5	N Female
MQ47MS14F-XXXXM	MQ4	7-16 Male
MQ57MS14F-XXXXM	MQ5	7-16 Male
MQ47FS14F-XXXXM	MQ4	7-16 Female
MQ57FS14F-XXXXM	MQ5	7-16 Female
MQ4NXMS14F-XXXXM	MQ4	NEX10 Male
MQ5NXMS14F-XXXXM	MQ5	NEX10 Male
XXXX in the model name is the length,unit is cm		
For example: MQ443MS14-0050M is 0.5 meter.		
MQ443MS14-0500M is 5 meter.		
MQ443MS14F-0500M is 5 meter with flame retardant jacket super flexible 1/4" cable.		

MQX Model Number

	Length(mm)	DC-2.2GHz	2.2-2.7GHz	2.7-3.3GHz	3.3-4.2GHz	4.2-6GHz
Insertion Loss, dB, typical	500	0.4	0.43	0.46	0.48	0.55
	1500	0.7	0.78	0.89	0.93	1.15
	2000	0.85	0.95	1.10	1.15	1.45
	3000	1.15	1.30	1.53	1.60	2.05
	4000	1.45	1.65	1.95	2.05	2.65
	5000	1.75	2.00	2.38	2.50	3.25

Insertion Loss

External Document Links

Notes

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