

### Product Description

Jumper cables offer outstanding electrical performance along with high durability for tight routing and superior environmental sealing for long life reliability.

Jumper cables are used in areas that require extremely small bending radius such as between main feeders and antennas or between main feeders and RF equipment. Jumper cables are designed and produced to have features as below

### Features/Benefits

- High pull-off strength
- Excellent V.S.W.R performance.
- Low and stable intermodulation.
- Weatherproof



### Explanation of Part numbers

# J12-3-DM-NFR

Product Category	Cable Size.	Length	Connector for End 1	Connector for End 2
J= Jumper Cable	14=1/4" flexible	1=1 meter	DM = DIN Male straight	DM = DIN Male straight
	38=3/8" flexible	1.5=1.5 meters	DMR=DIN Male Right angle	DMR=DIN Male Right angle
	12=1/2" flexible	2=2 meters	DF =DIN Female straight	DF =DIN Female straight
	14S=1/4" superflexible	3=3 meters	DFR=DIN Female Right angle	DFR=DIN Female Right angle
	38S=3/8" superflexible	5=5 meters	NM = N Male straight	NM = N Male straight
	12S=1/2" superflexible	6=6 meters	NMR=N Male Right angle	NMR=N Male Right angle
	38=3/8" flexible		NF = N Female straight	NF = N Female straight
			NFR=N Female Right angle	NFR=N Female Right angle

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## Performance of superflexible jumper cable

SUPERFLEXIBLE	1/4" superflexible jumper				3/8" superflexible jumper				1/2" superflexible jumper			
Length	1.5m	2.0m	3.0m	5.0m	1.5m	2.0m	3.0m	5.0m	1.5m	2.0m	3.0m	5.0m
Impedance	50Ω				50Ω				50Ω			
Insulation resistance	≥5000 MΩ.km				≥5000 MΩ.km				≥5000 MΩ.km			
Isolation voltage	2.0 kv				2.5 kv				2.5 kv			
Frequency range	≤3.0 GHz				≤3.0 GHz				≤3.0 GHz			
Working voltage	1.5 kv				1.5 kv				1.5 kv			
<b>Insertion loss (dB)</b>												
450 MHz	0.25	0.31	0.44	0.68	0.21	0.25	0.34	0.53	0.18	0.21	0.29	0.43
900 MHz	0.35	0.44	0.62	0.97	0.29	0.35	0.48	0.75	0.25	0.30	0.41	0.62
1800 MHz	0.52	0.64	0.90	1.42	0.42	0.51	0.71	1.09	0.36	0.44	0.60	0.91
2400 MHz	0.60	0.75	1.05	1.65	0.49	0.60	0.83	1.28	0.42	0.51	0.69	1.06
<b>VSMR</b>												
0.8 ~ 1.0 GHz	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
1.7 ~ 2.0 GHz	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
2.0 ~ 2.4 GHz	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
PIM3 @ +43 dBm*2	-155	-155	-155	-155	-155	-155	-155	-155	-155	-155	-155	-155

## Performance of flexible jumper cable

FLEXIBLE	1/4" flexible jumper				3/8" flexible jumper				1/2" flexible jumper			
Length	1.5m	2.0m	3.0m	5.0m	1.5m	2.0m	3.0m	5.0m	1.5m	2.0m	3.0m	5.0m
Impedance	50Ω				50Ω				50Ω			
Insulation resistance	≥5000 MΩ.km				≥5000 MΩ.km				≥5000 MΩ.km			
Isolation voltage	2.0 kv				2.5 kv				2.5 kv			
Frequency range	≤3.0 GHz				≤3.0 GHz				≤3.0 GHz			
Working voltage	1.5 kv (N type), 2.7kv (DIN type)				1.5 kv (N type), 2.7kv (DIN type)				1.5 kv (N type), 2.7kv (DIN type)			
<b>Insertion loss (dB)</b>												
450 MHz	0.21	0.26	0.35	0.54	0.17	0.21	0.27	0.41	0.14	0.16	0.21	0.31
900 MHz	0.29	0.36	0.50	0.77	0.24	0.29	0.38	0.58	0.19	0.23	0.29	0.43
1800 MHz	0.43	0.52	0.72	1.12	0.34	0.42	0.56	0.84	0.28	0.33	0.43	0.63
2400 MHz	0.50	0.61	0.84	1.30	0.40	0.48	0.65	0.99	0.32	0.38	0.50	0.73
<b>VSMR</b>												
0.8 ~ 1.0 GHz	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
1.7 ~ 2.0 GHz	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
2.0 ~ 2.4 GHz	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
PIM3 @ +43 dBm*2	-155	-155	-155	-155	-155	-155	-155	-155	-155	-155	-155	-155

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