

## ▶ Overview

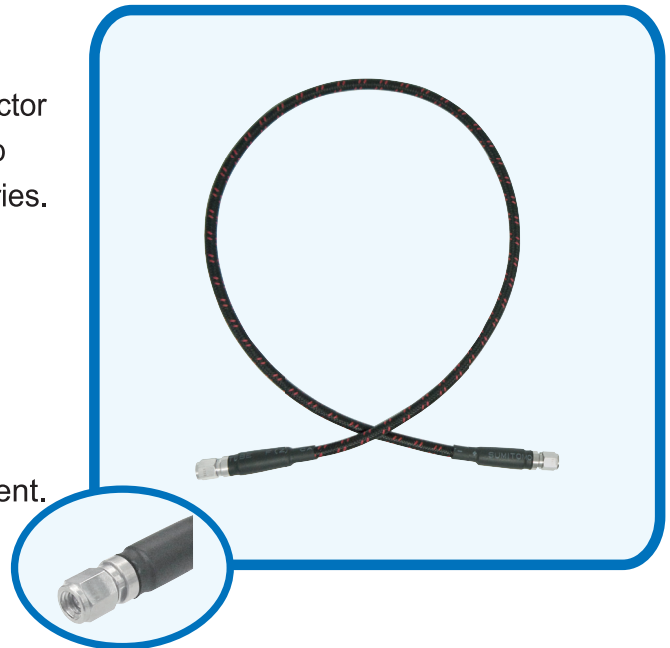
Precision 1.85mm, 1.0mm and 0.8mm connector flexible VNA cable with armored protection up to 145GHz is released as Armored Cable Series.

## ▶ Feature

Cable is flexible, light weight and durable.  
Low insertion loss and high phase stability.

## ▶ Applications

Precision millimeter-wave VNA measurement.



## ▶ Typical Specification

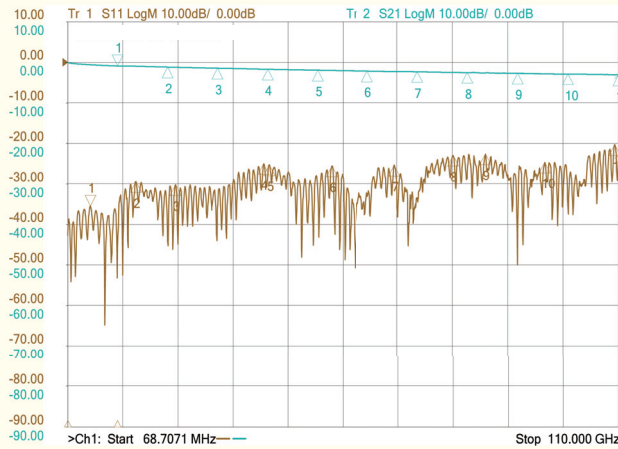
Model name	AM1KDMDM#□□□□	AM1KWMWM#□□□□	AM1KVMVM#□□□□
Impedance	50 ± 2 Ω		
Frequency (GHz)	DC ~ 145	DC ~ 110	DC ~ 65
Insertion Loss(L=500mm)	6.3dB(at40GHz), 7.6dB(at60GHz)	6.3dB(at40GHz), 7.6dB(at60GHz)	2.8dB(at20GHz), 3.9dB(at40GHz)
	10.2dB(at110GHz), 11.6dB(at145GHz)	10.2dB(at110GHz)	5.0dB(at65GHz)
V.S.W.R.	1.3(atDC ~ 40GHz), 1.4(at40 ~ 65GHz)	1.3(atDC ~ 40GHz), 1.4(at40 ~ 60GHz)	1.25(atDC ~ 20GHz), 1.4(at20 ~ 40GHz)
	1.5(at65 ~ 110GHz), 1.6(at110 ~ 145GHz)	1.6(at60 ~ 110GHz)	1.6(at40 ~ 65GHz)
Connector	0.8mm/P-P	1.0mmW/P-P	1.85mmV/P-P
Minimum Bending Radius	15mm		
Bending Durability	300 times		
Cable Outer Diameter	4mm		
Temperature Range	-30 ~ 70°C		
Load Capacity	1000 N		
Available Cable Length(mm)	L= 100(shortest) ~ 2000	L= 100(shortest) ~ 2000	L= 120(shortest) ~ 2000

\*#□□□□ represent cable length in (mm).

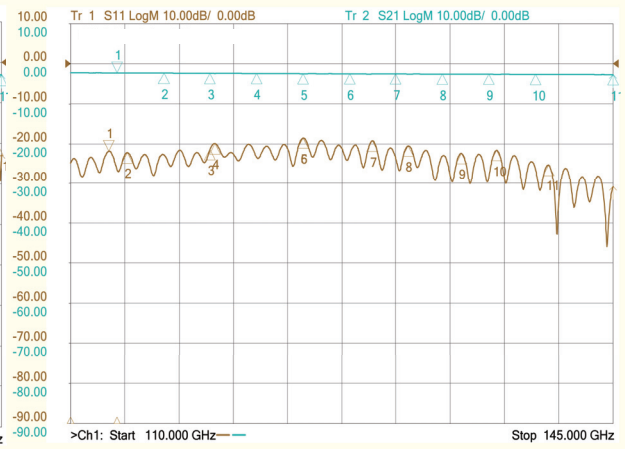
▶ Typical Data

■ AM1KDMDM#0100

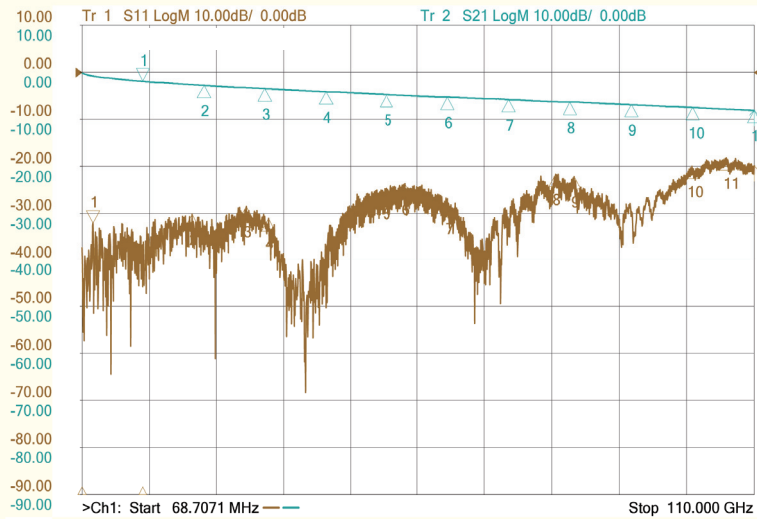
(DC ~ 110GHz)



(110 ~ 145GHz)



■ AM1KWMWM#0500 (DC ~ 110GHz)



■ AM1KVMVM#0500 (DC ~ 65GHz)

