

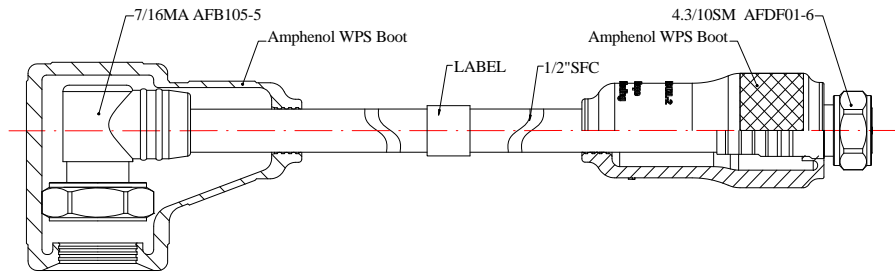
## Specification

# Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

<b>Drawing NO.</b>	AFS-K703-2-B	<b>Ver.</b> 0	<b>Rev.</b> 0
<b>Part NO.</b>	AFK703-2-xxM-B	"xx" means the length in meter	
<b>Product Description</b>	7/16MA-4.3/10SM, 1/2" Superflexible Cable	<b>Date:</b> 2019.06.28	
<b>Draft:</b> Pan Guilun <b>AFY/E</b>	<b>Checked:</b> Yu Ying <b>AFY/Q</b>	<b>Approved:</b> Xu Yiming <b>AFY/MR</b>	

Part NO.	Length (m)	Attenuation (dB)	Part NO.	Length (m)	Attenuation (dB)
AFK703-2-2M-B	2	900/1800/2600MHz : ≤0.33/0.43/0.53	AFK703-2-10M-B	10	900/1800/2600MHz: ≤1.16/1.65/2.20
AFK703-2-3M-B	3	900/1800/2600MHz : ≤0.43/0.58/0.73	AFK703-2-15M-B	15	900/1800/2600MHz: ≤1.79/2.53/3.20
AFK703-2-6M-B	6	900/1800/2600MHz: ≤0.74/1.03/1.34	AFK703-2-20M-B	20	900/1800/2600MHz: ≤2.32/3.30/4.20



## Reference Standard

IEC61169-4(7/16)  
IEC61169-54(4.3/10)

## Electrical Performance

Nominal Impedance (Ω)	50
Frequency Range (GHz)	DC~8.8
VSWR (dB)	≤1.12(0-3GHz)
Dynamic PIM with IEC 62037 (2*43dBm) (dBc)	≤-163
Connector Insertion Loss (dB)	≤0.05(3GHz)
Insulation Resistance (MΩ)	≥5000
Proof Voltage (V)	1000
Screen Efficiency (dB)	≥110
Max. power range(kW)	≥20.5
Power Rating (W)	400W@3GHz

## Mechanical Performance

Nut Torque	25 N*m(7/16) 5 N*m(4.3/10)
Torsion (Cable-Connector)	4 N*m
Tensile Force (Cable-Connector)	500 N
Single Minimum Bending Radius	≤25mm
Multiple Minimum Bending Radius	≤35mm
Number of Bends,Minimum	15
Cable Length	L(m)
weight (kg/m)	≤0.22

## Material and Plating

Connector Parts		Material	Plating(Standard)
Connector A 7/16	Inner Conductor	Brass	Ag 5μm
	Outer Conductor	Brass	Copper-tin-zinc 2μm
Connector B 4.3/10	Inner Conductor	Bronze	Ag 5μm
	Outer Conductor	Brass	Copper-tin-zinc 2μm
Cable	Inner Conductor	Copper Plated Aluminum	
	Insulation	PE	
	Outer Conductor	Helical Corrugated copper tube	
	Jacket	PE, Contains No Halogen	
Waterproof Boot		Silicone rubber	
Adopt over-Molding			

## Environment

UV Resistance	IE-68-2-5
Waterproofing Standard	IP68
Operating Temperature	-40℃~+85℃
Storage Temperature	-40℃~+85℃
Weather Standard	IEC 68 40/ 85/ 21
Thermal Shock	IEC60068-2-14-Na
Vibration	IEC60068-2-6-Fc
Shock	IEC60068-2-27
RoHS	Compliant

## Testing & Traceability

100% tested and guaranteed as per manufacturer specification. Traceability of VSWR & PIM test data through serial number on the label