

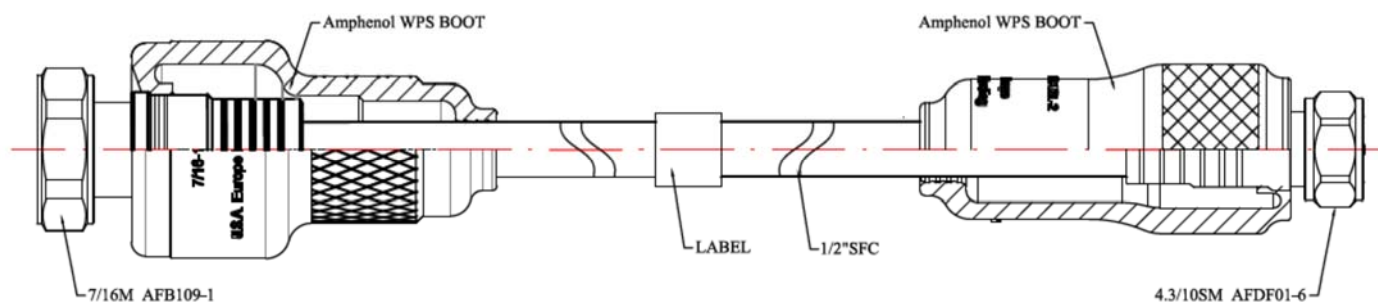
Specification

Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

Drawing NO.	AFS-K577-3-B	Ver. 0	Rev. 2
Part NO.	AFK577-3-xxM-B	"xx" means the length in meter	
Product Description	7/16M-4.3/10SM, 1/2" Superflexible Cable	Date: 201910.25	
Draft: Wang Ying AFY/E	Checked: Yu Ying AFY/Q	Approved: Xu Yiming AFY/MR	

Part NO.	Length (m)	Attenuation (dB)	Part NO.	Length (m)	Attenuation (dB)
AFK577-3-2M-B	2	900/1800/2600MHz : $\leq 0.33/0.43/0.53$	AFK577-3-10M-B	10	900/1800/2600MHz : $\leq 1.16/1.65/2.20$
AFK577-3-3M-B	3	900/1800/2600MHz : $\leq 0.43/0.58/0.73$	AFK577-3-15M-B	15	900/1800/2600MHz : $\leq 1.79/2.53/3.20$
AFK577-3-6M-B	6	900/1800/2600MHz : $\leq 0.74/1.03/1.37$	AFK577-3-20M-B	20	900/1800/2600MHz : $\leq 2.32/3.30/4.20$



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)	$\leq 1.2(0-3\text{GHz})$
Dynamic PIM with IEC 62037 (2*43dBm) (dBc)	≤ -163
Connector Insertion Loss (dB)	$\leq 0.05(3\text{GHz})$
Insulation Resistance (M Ω)	≥ 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)
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	Bronze	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