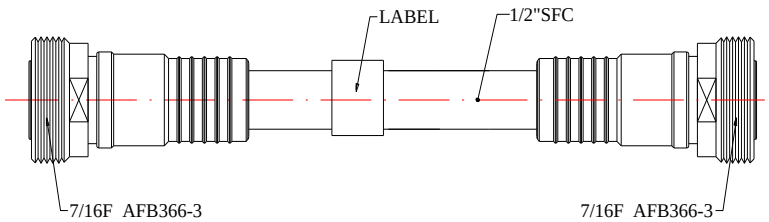
Specification

Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

Drawing NO.	AFS-K93-3	**Ver.** 0	**Rev.** 0
Part NO.	AFK93-3-xxM	"xx" means the length in meter	
Product Description	7/16F-7/16F, 1/2" Superflexible Cable	**Date:** 2019.04.15	
Draft: Pan Guilan **AFY/E**	**Checked:** Wang Ying **AFY/Q**	**Approved:** Xu Yiming **AFY/MR**	

Part NO.	Length (m)	Attenuation (dB)	Part NO.	Length (m)	Attenuation (dB)
AFK93-3-2M	2	900/1800/2600Mhz: ≤0.33/0.43/0.53	AFK93-3-6M	6	900/1800/2600Mhz: ≤0.74/1.03/1.37
AFK93-3-3M	3	900/1800/2600Mhz: ≤0.43/0.58/0.73	AFK93-3-10M	10	900/1800/2600Mhz: ≤1.16/1.65/2.20



Reference Standard

IEC61169-4

Electrical Performance

Nominal Impedance (Ω)	50
Frequency Range (GHz)	DC~8.8
VSWR	≤1.1(DC-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
Torsion (Cable-Connector)	4 N*m
Tensile Force (Cable-Connector)	400 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	Bronze	Ag 5μm
	Outer Conductor	Brass	Copper-tin-zinc 2μm
Connector B 7/16	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