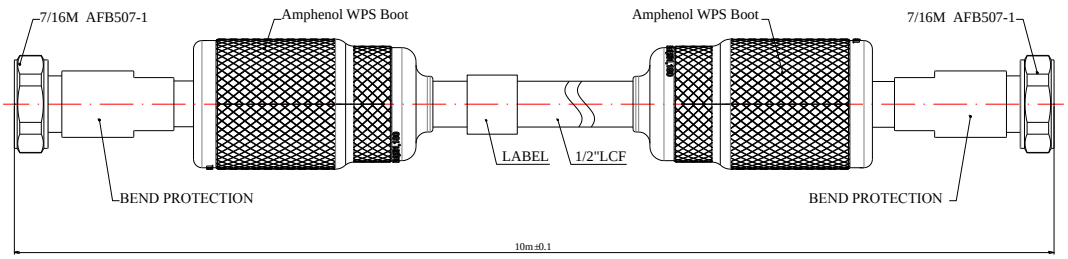
Specification

Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

Drawing NO.	AFS-K12-17-011-B	**Ver.** 0	**Rev.** 0
Part NO.	AFK12-17-10M-B	"xx" means the length in meter	
Product Description	7/16M-7/16M, 1/2" Normal Cable	**Date:** 2020.10.27	
Draft: Pan Guilan **AFY/E**	**Checked:** Yu Ying **AFY/Q**	**Approved:** Xu Yiming **AFY/MR**	



Pic of Jumper

Reference Standard

IEC61169-4

Electrical Performance

Nominal Impedance (Ω)	50
Max Frequency (GHz)	DC~2.7
Return loss(dB)	≥28 (0.89-0.96GHz) ≥28 (1.71-1.88GHz) ≥28 (1.92-2.17GHz) ≥26 (2.17-2.7GHz)
Dynamic PIM with IEC 62037 (2*43dBm) (dBc)	≤-155
Insertion Loss (dB)	≤0.071*L+0.2 (0.89-0.96GHz) ≤0.1*L+0.2 (1.71-1.88GHz) ≤0.11*L+0.2 (1.92-2.17GHz) ≤0.124*L+0.2 (2.17-2.7GHz)
Insulation Resistance (MΩ)	⩾5000
Proof Voltage (V)	1000
Screen Efficiency (dB)	⩾110
Power Rating (W)	580W@3.6GHz

Mechanical Performance

Nut Torque	25 N*m
Torsion(Cable-Connect)	3.5N·m
Tensile Force(Cable-Connect)	500N
Single Minimum Bending Radius	70mm
Multiple Minimum Bending Radius	125mm
Number of Bends,Minimum	15
Cable Length (L)	10(m)

Material and Plating

Connector Parts		**Material**	**Plating(Standard)**
Connector A 7/16	Inner Conductor	Bronze	Ag 3μm
	Outer Conductor	Brass	Copper-tin-zinc 3μm
Connector B 7/16	Inner Conductor	Bronze	Ag 3μm
	Outer Conductor	Brass	Copper-tin-zinc 3μm
Cable	Inner Conductor	Copper Plated Aluminum	
	Insulation	Foam PE	
	Outer Conductor	Helical Corrugated copper tube	
	Jacket	PE, No Halogen	
Waterproof Boot		Silicone rubber	

Environment

UV Resistance	1000 hours (Test method IEC60068-2-5)
Waterproofing Standard	IP68 (Mated)
Operating Temperature	-40℃~+85℃
Storage Temperature	-55℃~+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