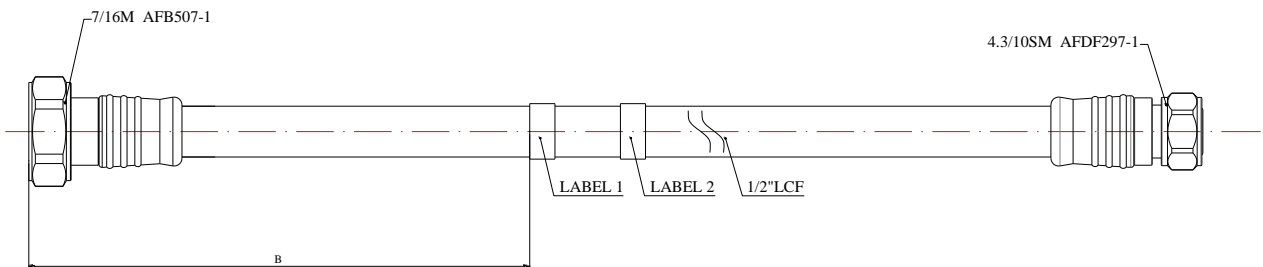


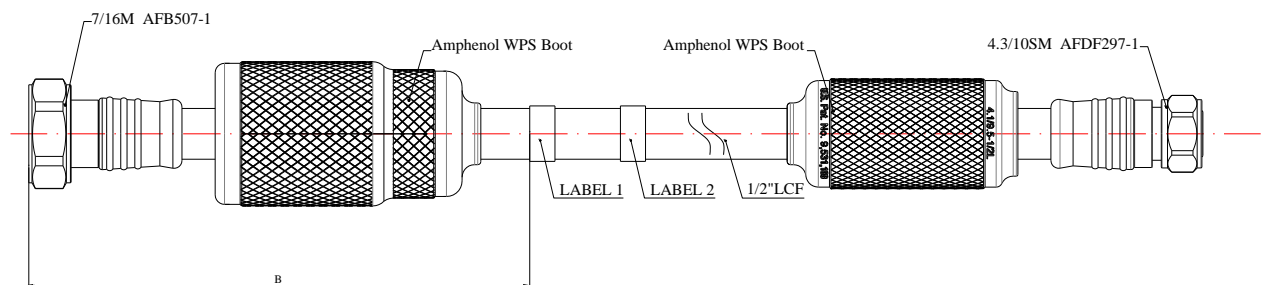
Specification

Drawing NO.	AFS-K616-8 / AFS-K616-8-B	Ver.0	Rev. 1
Part NO.	AFS-DM4M-12-xxFT/ AFS-DMW4MW-12-xxFT		
Product Description	7/16M-4.3/10SM, 1/2" Annular Cable jumper		Date: 2020.12.25
Draft: Pan Guilan AFY/E	Checked: Yu Ying AFY/Q	Approved: Xu Yiming AFY/MR	

Part NO.:AFS-DM4M-12-xxFT



Part NO.:AFS-DMW4MW-12-xxFT



Label 1 information:

Part NO. →	YYYY-MM MX Amphenol
	P/N:AFS-XXXXXX-XX-xxFT
	S/N:Bar Code
	xxxxxxx

Label 2 information:

Amphenol Fuyang Mexico
Factory Made

Reference

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

Electrical

Nominal Impedance (Ω)	50
Frequency Range (GHz)	0.38-6
Return loss (dB)	$\leq -32(0.38-0.47\text{GHz})$ $\leq -32(0.6-0.96\text{GHz})$ $\leq -28(1.4-2.7\text{GHz})$ $\leq -23(3.4-3.8\text{GHz})$ $\leq -21(5.1-6\text{GHz})$
Attenuation (dB)	$\leq 0.02\text{dB/ft}+0.1\text{dB}(0.824\text{GHz})$ $\leq 0.021\text{dB/ft}+0.1\text{dB}(0.894\text{GHz})$ $\leq 0.0297\text{dB/ft}+0.1\text{dB}(1.7\text{GHz})$ $\leq 0.0302\text{dB/ft}+0.1\text{dB}(1.8\text{GHz})$ $\leq 0.0311\text{dB/ft}+0.1\text{dB}(1.9\text{GHz})$ $\leq 0.0325\text{dB/ft}+0.1\text{dB}(2\text{GHz})$ $\leq 0.0334\text{dB/ft}+0.1\text{dB}(2.1\text{GHz})$
Dynamic PIM with IEC 62037 (2*20W) (dBm)	≤ -117
Connector Insertion Loss (dB)	$\leq 0.05(3\text{GHz})$
Insulation Resistance (M Ω)	≥ 5000
Proof Voltage (V)	1000
Screen Efficiency (dB)	≥ 110
Power Rating (W)	400W @3GHz

Mechanical

Nut Torque on 7-16 coupling nut	25 N*m(7/16) 5 N*m(4.3/10)
Spanner flat on 7-16 coupling nut	32mm
Torsion(Cable-Connect)	3.5 N*m
Tensile force(Cable-Connect)	500 N
Flat Plate Crush Strength	$\geq 15\text{N/mm}$
Bending Moment	4N*m
Single Minimum Bending Radius	$\geq 80\text{mm}$
Multiple Minimum Bending Radius	$\geq 125\text{mm}$
Number of Bends, Minimum	15
Cable Length	L (ft)

Material and

Connector Parts		Material	Plating (Standard)
Connector A 7/16M	Inner Conductor	Spring Copper	Ag 3µm
	Outer Conductor	Brass	Copper-tin-zinc 3µm
Connector B 4.3/10SM	Inner Conductor	Spring Copper	Ag 3µm
	Outer Conductor	Brass	Copper-tin-zinc 3µm
Cable	Inner Conductor	Copper Plated Aluminum	
	Insulation	PE	
	Outer Conductor	Helical Corrugated copper tube	
	Jacket	PE, Contains No Halogen	
Waterproof Boot		Silicone rubber	

Environment

UV Resistance	IE-68-2-5
Waterproofing Standard	IP68
Operating Temperature	-40°C~+85°C
Storage Temperature	-40°C~+85°C
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

Label information

Label 1	Label 2
<ul style="list-style-type: none"> - Production year month - Manufacturer - Part number - Serial number - Position: B=12 in-16 in 	<ul style="list-style-type: none"> - Manufacturer - "Factory Made" - Position: centred