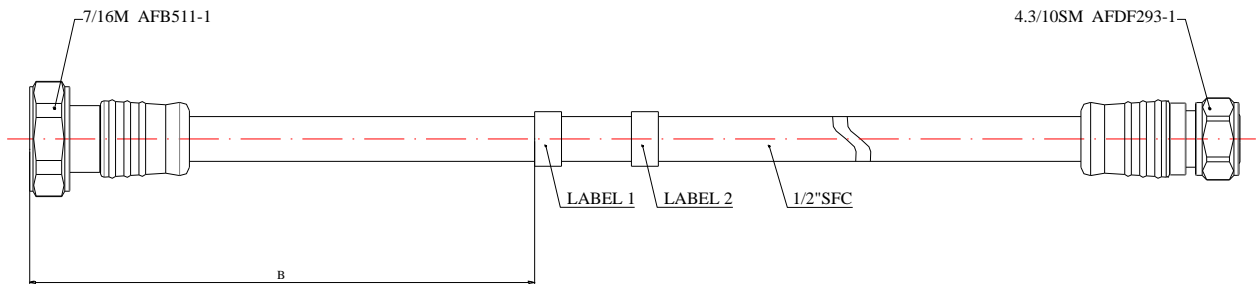


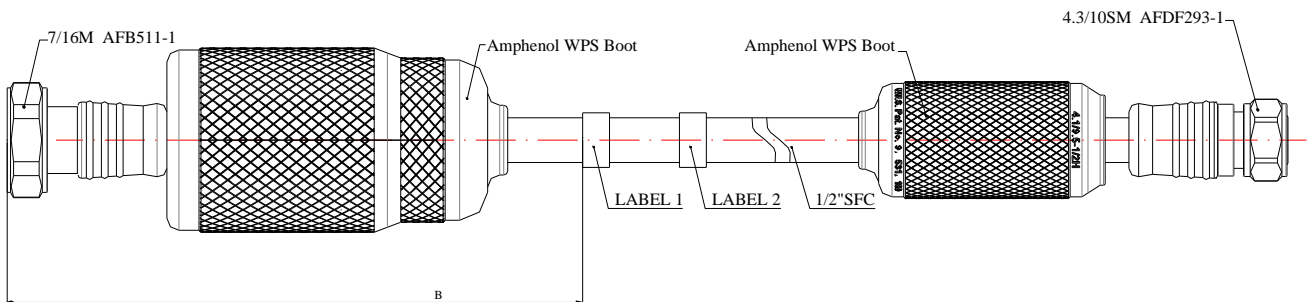
Specification

Drawing NO.	AFS-K577-10 / AFS-K577-10-B	Ver.0	Rev. 1
Part NO.	AFS-DM4M-12S-xxFT/ AFS-DMW4MW-12S-xxFT		
Product Description	7/16M-4.3/10SM, 1/2" Superflexible Cable jumper		Date: 2020.12.29
Draft: Pan Guilan AFY/E	Checked: Yu Ying AFY/Q	Approved: Xu Yiming AFY/MR	

Part NO.:AFS-DM4M-12S-xxFT



Part NO.:AFS-DMW4MW-12S-xxFT



Label 1 information:

Label 2 information:

Part NO. → 2020-04 MX Amphenol
P/N: AFS-DMW4MW-12S-xxFT
S/N: Bar Code
XXXXXXXX

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)	$\leq 0.0323\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}824\text{MHz}$ $\leq 0.0338\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}894\text{MHz}$ $\leq 0.0489\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}1700\text{MHz}$ $\leq 0.0505\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}1800\text{MHz}$ $\leq 0.0537\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}2000\text{MHz}$ $\leq 0.0553\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}2100\text{MHz}$ $\leq 0.0613\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}2500\text{MHz}$ $\leq 0.0642\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}2700\text{MHz}$ $\leq 0.0684\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}3000\text{MHz}$ $\leq 0.0738\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}3400\text{MHz}$ $\leq 0.0815\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}4000\text{MHz}$ $\leq 0.0936\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}5000\text{MHz}$ $\leq 0.1049\text{dB}/\text{ft}^*\text{L}(\text{ft})+0.1\text{dB @}6000\text{MHz}$
Dynamic PIM with IEC 62037 (2*20W) (dBm)	≤ -117
Connector Insertion Loss (dB)	$\leq 0.05 \sqrt{F(\text{GHz})}$
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
Nut Torque on 4.3/10 coupling nut	5 N*m
Spanner flat on 7/16 coupling nut	32mm
Spanner flat on 4.3/10 coupling nut	22mm
Torsion(Cable-Connect)	2.8 N*m

Tensile force(Cable-Connect)	350 N
Flat Plate Crush Strength	≥16N/mm
Bending Moment	1.5 N*m
Single Minimum Bending Radius	≥35mm
Multiple Minimum Bending Radius	≥50mm
Number of Bends, Minimum	15
Cable Length	L (m)

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

- Production year month
- Manufacturer
- Part number
- Serial number
- Position: B=12 in-16 in

Label 2

- Manufacturer
- "Factory Made"
- Position: centred