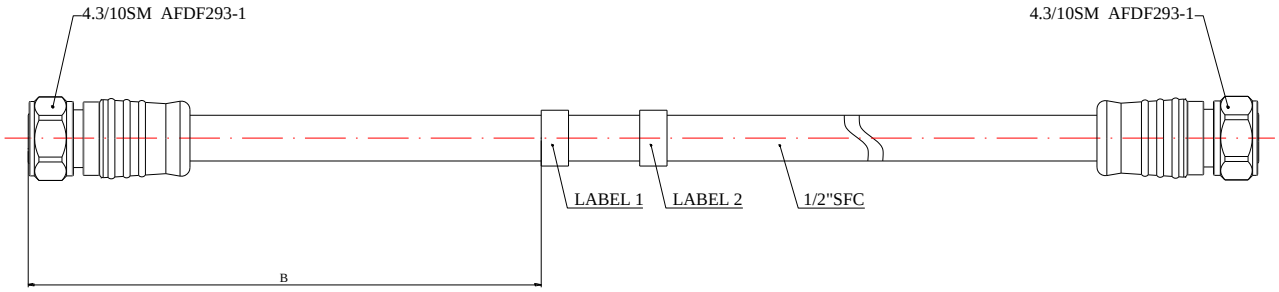
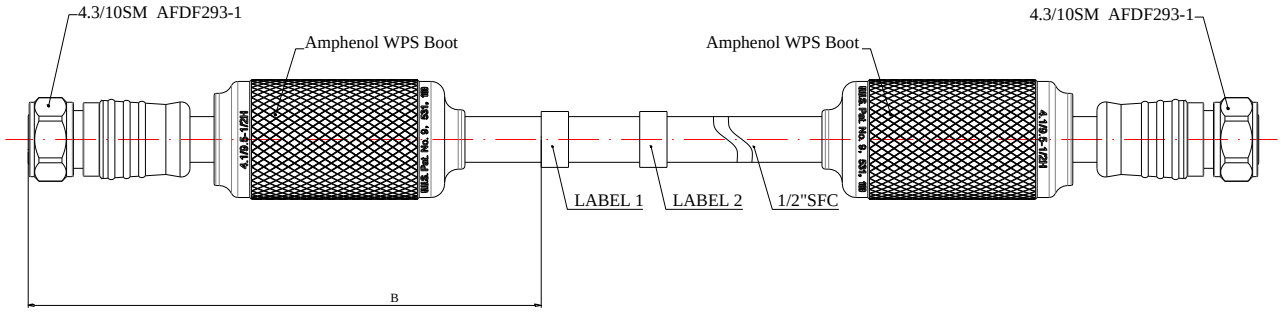
Specification

Drawing NO.	AFS-K576-8 / AFS-K576-8-B	**Ver.**0	**Rev. 4**
Part NO.	AFS-4M4M-12S-xxFT/ AFS-4MW4MW-12S-xxFT		
Product Description	4.3/10SM-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**	

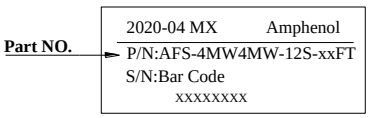
Part NO.:AFS-4M4M-12S-xxFT



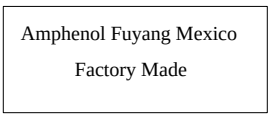
Part NO.:AFS-4MW4MW-12S-xxFT



Label 1 information:



Label 2 information:



Reference	IEC61169-54(4.3/10)

Electrical

Nominal Impedance (Ω)	50
Frequency Range (GHz)	0.38~6
Return loss (dB)	≤-32(0.38-0.47GHz) ≤-32(0.6-0.96GHz) ≤-28(1.4-2.7GHz) ≤-23(3.4-3.8GHz) ≤-21(5.1-6GHz)
Attenuation (dB)	≤0.0323dB/ft*L(ft)+0.1dB @824MHz
	≤0.0338dB/ft*L(ft)+0.1dB @894MHz
	≤0.0489dB/ft*L(ft)+0.1dB @1700MHz
	≤0.0505dB/ft*L(ft)+0.1dB @1800MHz
	≤0.0537dB/ft*L(ft)+0.1dB @2000MHz
	≤0.0553dB/ft*L(ft)+0.1dB @2100MHz
	≤0.0613dB/ft*L(ft)+0.1dB @2500MHz
	≤0.0642dB/ft*L(ft)+0.1dB @2700MHz
	≤0.0684dB/ft*L(ft)+0.1dB @3000MHz
	≤0.0738dB/ft*L(ft)+0.1dB @3400MHz
	≤0.0815dB/ft*L(ft)+0.1dB @4000MHz
	≤0.0936dB/ft*L(ft)+0.1dB @5000MHz
	≤0.1049dB/ft*L(ft)+0.1dB @6000MHz
Dynamic PIM with IEC 62037 (2*20W) (dBm)	≤-117
Connector Insertion Loss (dB)	≤0.05 √ F(GHz)
Insulation Resistance (MΩ)	≥5000
Proof Voltage (V)	1000
Screen Efficiency (dB)	≥110
Power Rating (W)	400W@3GHz

Mechanical

Nut Torque on 4.3/10 coupling nut	5 N*m
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 4.3/10SM	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℃~+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

Label information

Label 1	Label 2
- Production year month - Manufacturer - Part number - Serial number - Position: B=12 in-16 in	- Manufacturer - “Factory Made” - Position: centred