

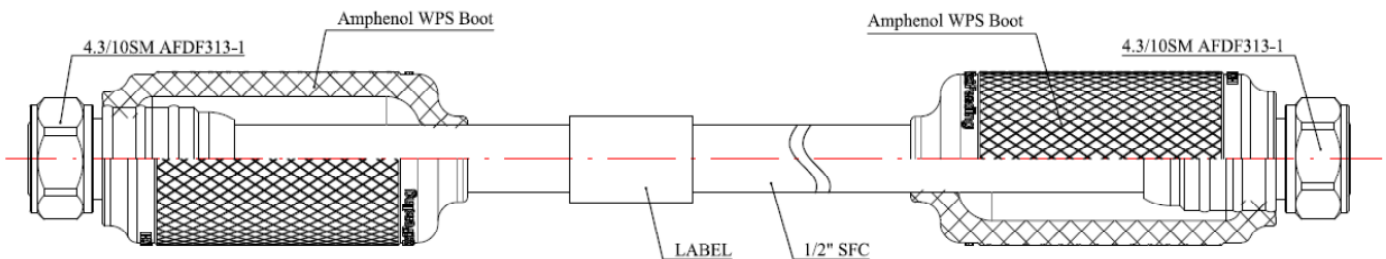
## Specification

# Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

<b>Drawing NO.</b>	AFS-K576-9-B	<b>Ver.0</b>	<b>Rev. 0</b>
<b>Part NO.</b>	AFK576-9-xxM-B	"xx" means the length in meter	
<b>Product Description</b>	Laser welding jumper, 4.3/10SM-4.3/10SM, 1/2" Superflexible Cable	<b>Date:</b> 2019.10.25	
<b>Draft:</b> Pan Guilian <b>AFY/E</b>	<b>Checked:</b> Yu Ying <b>AFY/Q</b>	<b>Approved:</b> Xu Yiming <b>AFY/MR</b>	

Part NO.	Length (m)	Attenuation (dB)	Part NO.	Length (m)	Attenuation (dB)
AFK576-9-6M-B	6	900/1800/2600MHz: $\leq 0.74/1.03/1.37$	AFK576-9-10M-B	10	900/1800/2600MHz: $\leq 1.16/1.65/2.20$
AFK576-9-15M-B	15	900/1800/2600MHz: $\leq 1.79/2.53/3.20$	AFK576-9-20M-B	20	900/1800/2600MHz: $\leq 2.32/3.30/4.20$



## Reference Standard

IEC61169-54(4.3/10)

## Electrical Performance

Nominal Impedance ( $\Omega$ )	50
Frequency Range (GHz)	DC~8.8
VSWR (dB)	$\leq 1.08$ (DC-2GHz) $\leq 1.12$ (2-3GHz)
Dynamic PIM with IEC 62037 (2*43dBm) (dBc)	$\leq -165$
Connector Insertion Loss (dB)	$\leq 0.05$ (3GHz)
Insulation Resistance (M $\Omega$ )	$\geq 5000$
Proof Voltage (V)	1000
Screen Efficiency (dB)	$\geq 110$
Max. power range(kW)	$\geq 20.5$
Power Rating (W)	400W@3GHz

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## Mechanical Performance

Nut Torque	5 N*m
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 4.3/10	Inner Conductor	Brass	Ag 5μm
	Outer Conductor	Brass	Copper-tin-zinc 2μm
Connector B 4.3/10	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