

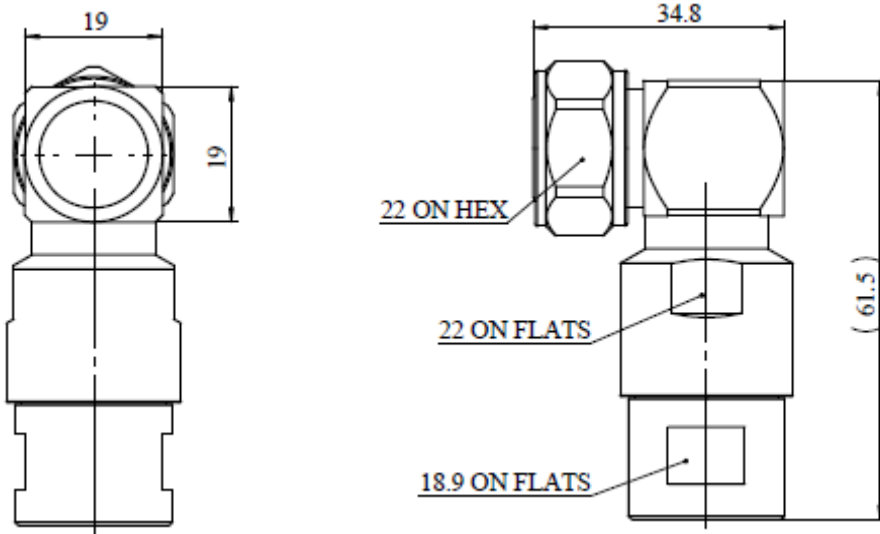
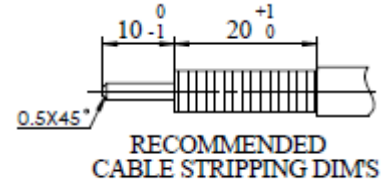
## Specification

# Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

Product Description	4.3/10 Screw Male Angle Connector for 1/2" Normal Cable	Date: 2019-4-2
Part NO.	AFDF61-1	Ver. 1

UNIT: mm



## Reference Standard

IEC61169-54

## Electrical Performance

Nominal Impedance ( $\Omega$ )	50
Frequency Range	DC~6GHz
VSWR	$\leq 1.12$ (0-3GHZ) $\leq 1.25$ (3-6GHZ)
VSWR(DTF)	$\leq 1.06$ (0-3GHZ) $\leq 1.12$ (3-6GHZ)
PIM (dBc)	$\leq -160$ (2*43dBm)
Insertion Loss	$\leq 0.1\sqrt{F}$ (GHz)
Insulation Resistance(M $\Omega$ /500VDC)	$\geq 5000$
Proof Voltage (V/AC)	$\geq 2500$
Contact Resistance (m $\Omega$ )	$< 1.0$ (Inner Conductor) $< 0.1$ (Outer Conductor)

## Mechanical Performance

Interface Durability	500 Cycles
Nut Torque	5N.m
(Nut)Whorl Pull	500N
Tensile Force (Cable-Connector)	500 N
Torsion (Cable-Connector)	5N.m
Weight	149.20g

## Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Spring Copper	Ag 5μm
Outer Conductor	Brass	Copper-tin-zinc 2μm
Nut	Brass	Ni 5μm
Insulator	TPX	
Gasket	Silicone Rubber	

## Environment

Temperature Range	-40°C~ +85°C
Weather Standard	IEC60068 40/ 085/ 21
Thermal Shock	IEC60068-2-14-Na
Vibration	IEC60068-2-6-Fc
Shock	IEC60068-2-27
Waterproofing Standard	IP68
RoHS	Compliant(EU and China)

## Assembly

Inner and outer conductor Installing type.	
Cable Supported	Cable Type Supported
Andrew	LDF4-50,LDF4RK-50,LDF4RN-50
RFS	LCF12-50
NK Draka	RF1/2"-50
Eupen	EC4-50
Amphenol	AFY-50-12R

NOTE: The technical specification contains proprietary information and such information may not be disclosed to others for any particular purpose or used for manufacturing purposes without written permission from Amphenol Fuyang.