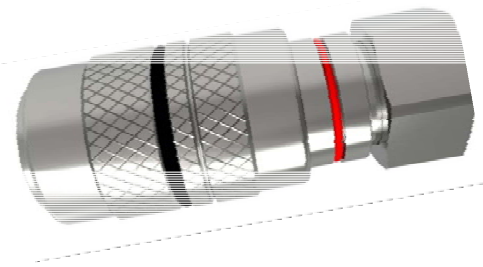
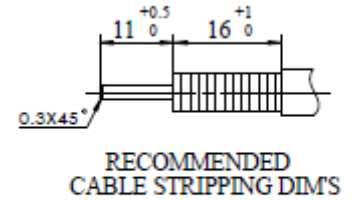
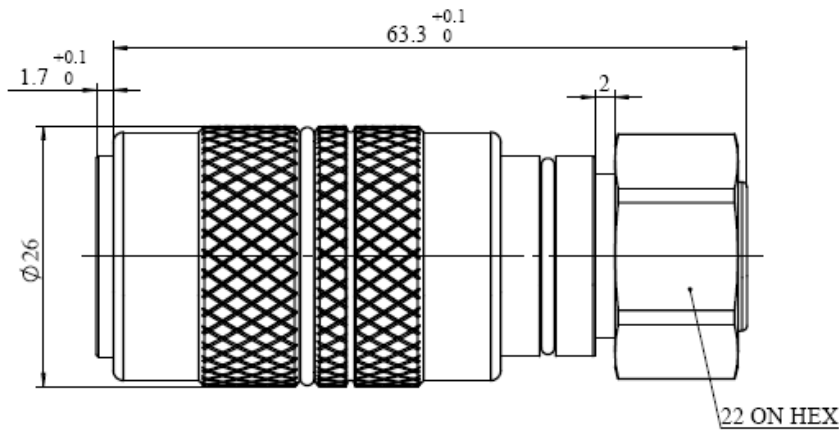


**Specification**

Product Description	4.3/10 Screw Male Compression Connector for 1/2" Trilogy Plenum Cable	Date: 2019.10.23
Part NO.	AFDF07-2	Ver.2

UNIT: mm



**Reference Standard**

**IEC61169-54**

**Electrical Performance**

Nominal Impedance (Ω)	50
Frequency Range	DC~5GHz
VSWR	≤1.10(0-3GHZ) ≤1.25(3-5GHZ)
VSWR(DTF)	≤1.06(0-3GHZ) ≤1.12(3-5GHZ)
PIM (dBc)	≤-160(2*43dBm)
Insertion Loss	≤0.05√F(GHz)
Insulation Resistance(MΩ/500VDC)	≥5000
Proof Voltage (V/AC)	≥2500
Contact Resistance (mΩ)	<1.0 (Inner Conductor) <1.0 (Outer Conductor)

Mechanical Performance	
Mating Cycles	500
Nut Torque	5N.m
(Nut) Whorl Pull	500N
Tensile Force (Cable-Connector)	500 N
Torsion (Cable-Connector)	5 N.m
Weight	136.84g

Material and Plating		
Connector Parts	Material	Plating
Inner Conductor	Spring Copper	Ag 5μm
Outer Conductor	Brass	Copper-tin-zinc 2μm
Nut	SUS304	
Insulator	TPX	
O-Ring	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 conductor Installed and outer conductor Compressed.	
Cable Supported	Cable Type Supported
Trilogy	AP6012J50 (Plenum) APC012J50(Plenum)

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.

VER HISTORY			
Ver	Revised by	Revision note:	Date
1	libo	Add an o-ring to the connector body	2019.10.11
2	libo	Increase the distance between nut and connector from 1mm to 2mm	2019.10.23