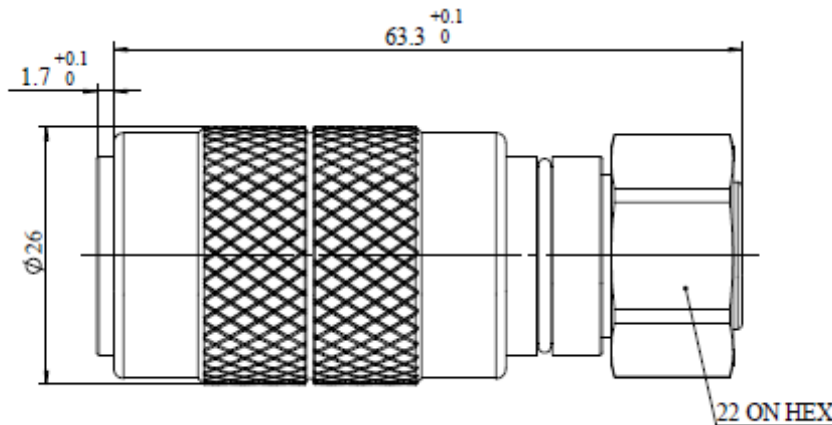
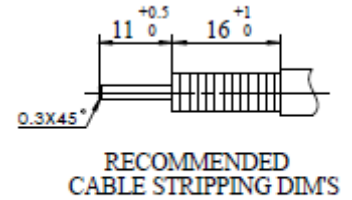


Specification

Product Description	4.3/10 Screw Male Compression Connector for 1/2" Trilogy Plenum Cable	Date: 2019-7-10
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.