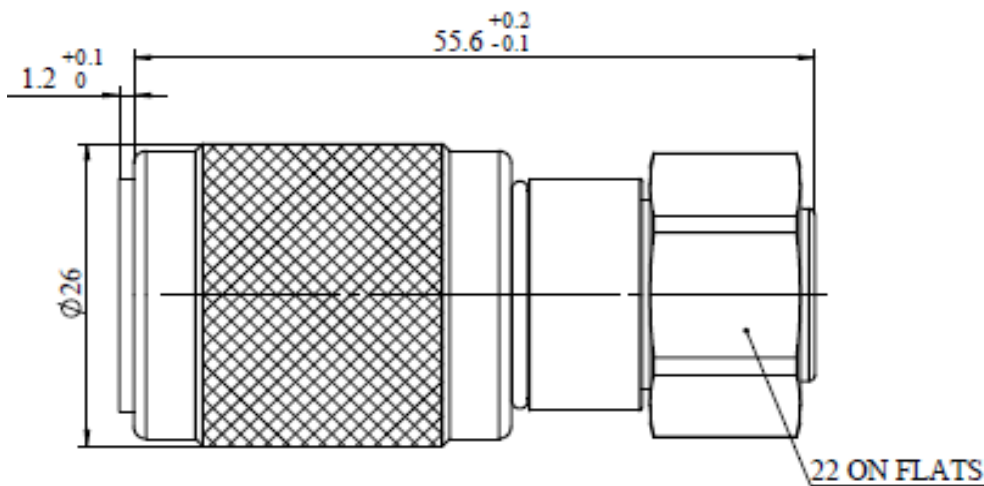
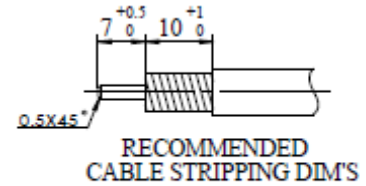


Specification

Product Description	4.3/10 Screw Male Compression Connector for 1/2" Superflexible Cable	Date: 2018.10.10
Part NO.	AFDF09-2	Ver. 1

UNIT: mm



Reference Standard

IEC60169-54

Electrical Performance

Nominal Impedance (Ω)	50
Frequency Range	DC~6GHz
VSWR	≤ 1.10 (0-3GHZ) ≤ 1.20 (3-6GHZ)
VSWR(DTF)	≤ 1.05 (0-3GHZ) ≤ 1.10 (3-6GHZ)
PIM (dBc)	≤ -160 (2*43dBm)
Insertion Loss	$\leq 0.05 \sqrt{F}$ (GHz)
Insulation Resistance(M Ω /500VDC)	≥ 5000
Proof Voltage (V/AC)	≥ 2500
Contact Resistance (m Ω)	≤ 0.8 (Inner Conductor) ≤ 0.4 (outer Conductor)

Mechanical Performance

Interface Durability	500 Cycles
Nut Torque	5 N.m
(Nut) Whorl Pull	500 N
Tensile Force (Cable-Connector)	400 N
Torsion (Cable-Connector)	4 N.m
Weight	128.75g

Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Spring Copper	Ag 5μm
Outer Conductor	Brass	Copper-tin-zinc2μm
Nut	SUS304	Chemical Polishing
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 conductor Installed and outer conductor Compressed.

Cable Supported	Cable Type Supported
Amphenol	AFY-50-12S
Andrew	FSJ4-50B
Draka	RFF1/2"-50
Eupen	EC4-50-HF
RFS	SCF12-50

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.