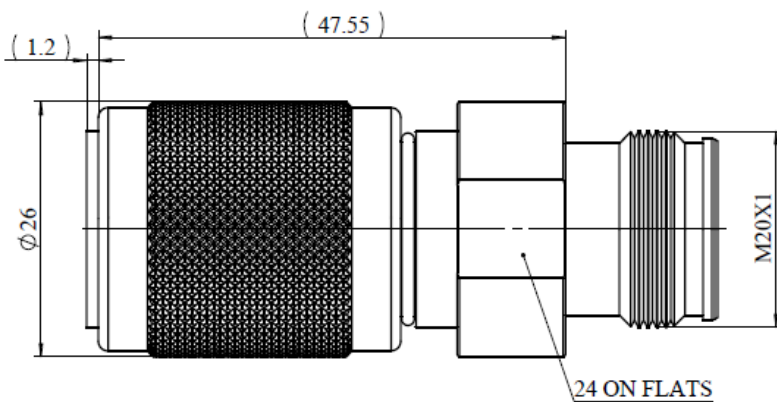
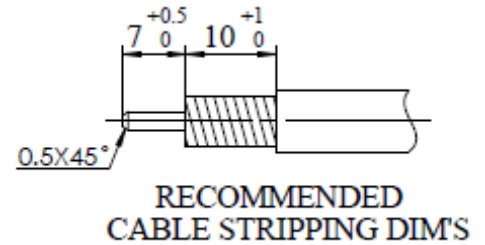


Specification

Product Description	4.3/10 Female Compression Connector for 1/2" Superflexible Cable	Date: 2019.01.31
Part NO.	AFDF140-1	Ver. 0

UNIT: mm



Reference Standard

IEC61169-54

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	≤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

Retention	≥4N(Outer Conductor) ≥1.5N (Inner Conductor)
Mating Cycles	100
Tensile Force (Cable-Connector)	400N
Torsion (Cable-Connector)	4N.m
Weight	159.75g

Material and Plating

Connector Parts	Material	Plating
Inner Conductor	Spring Copper	Ag 5μm
Outer Conductor	Brass	Copper-tin-zinc2μm
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
Amphenol	AFY-50-12S
Andrew	FSJ4-50B
Draka	RFF 1/2"-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.