

VEROFLEX

The preferred high flexibility RF Cable

Features

- High Flexible
- Low Insertion Loss

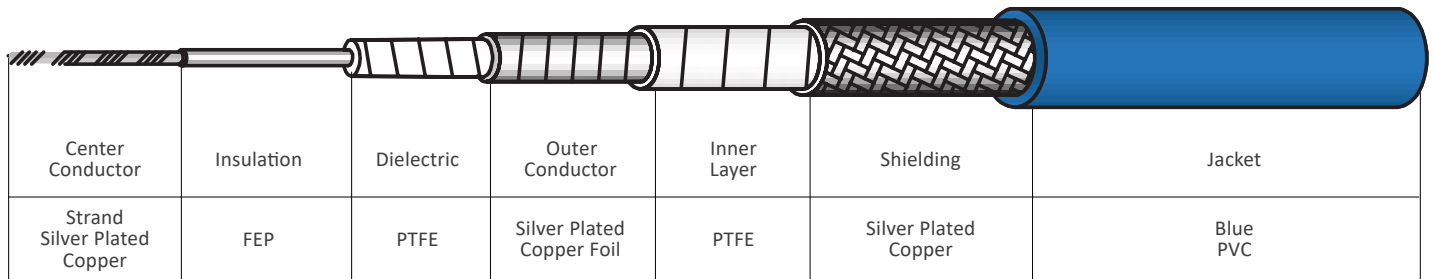
Typical Applications

- RF Module
- Anechoic Test Chambers
- Automated Test Equipment
- Wireless Telecommunication Module Testing

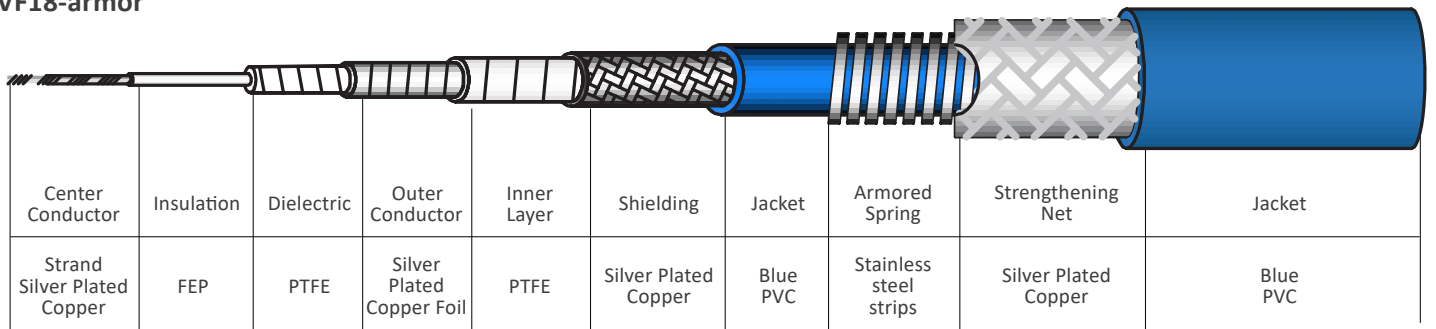


Cable Structure

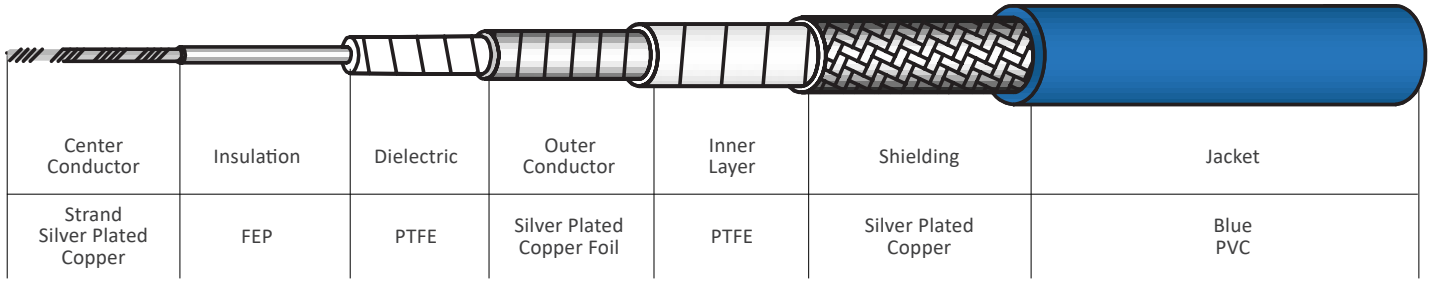
VF18



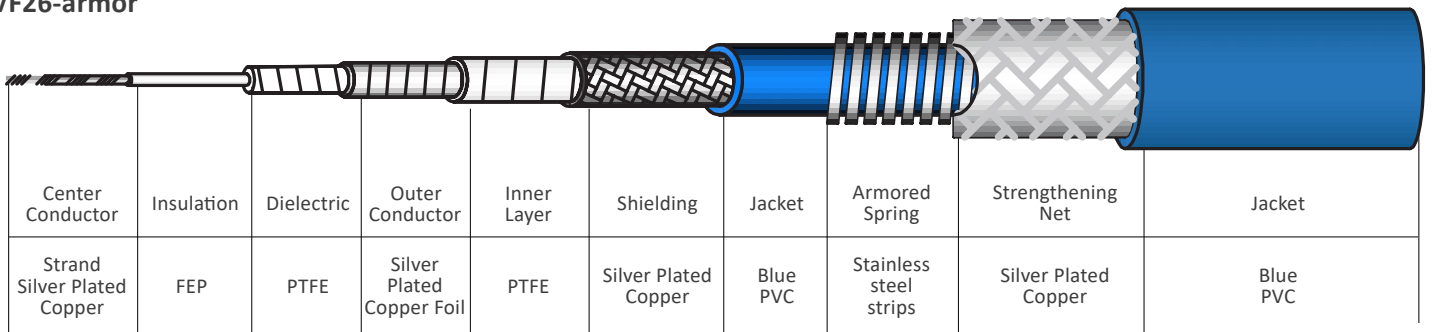
VF18-armor



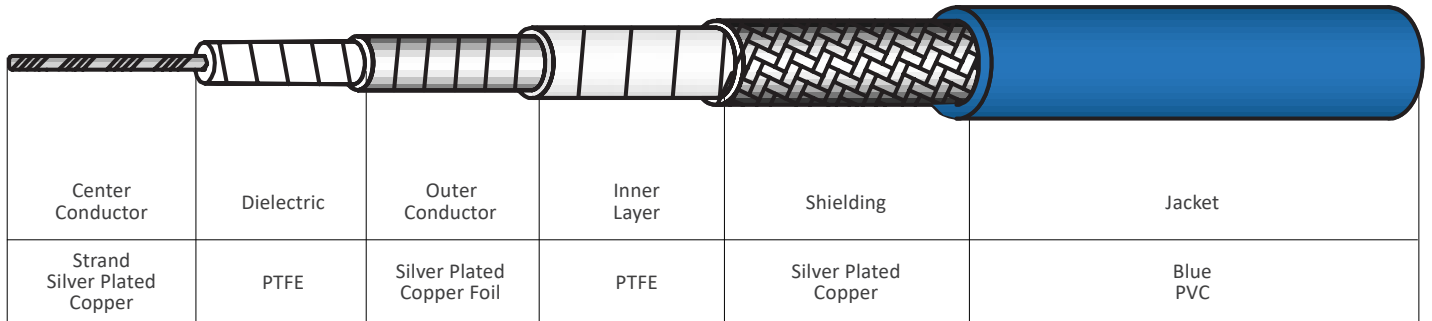
VF26



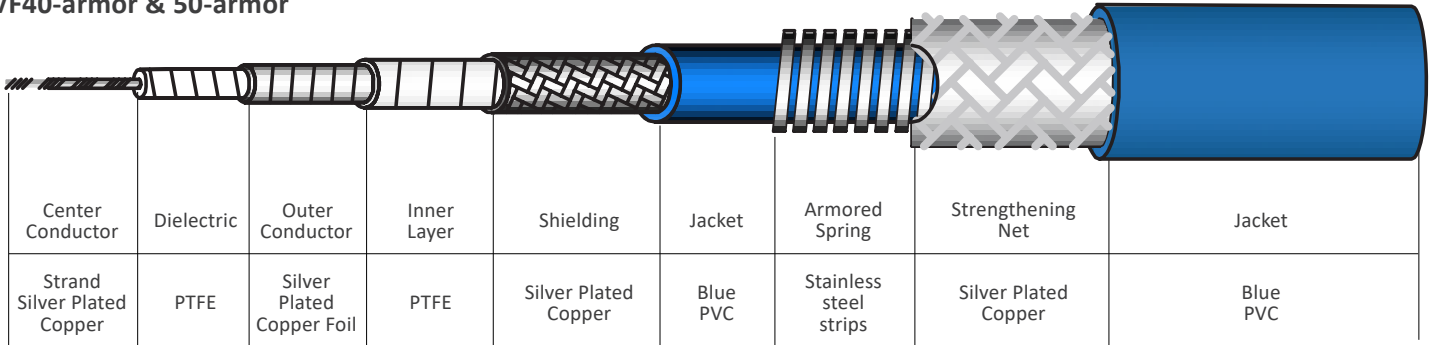
VF26-armor

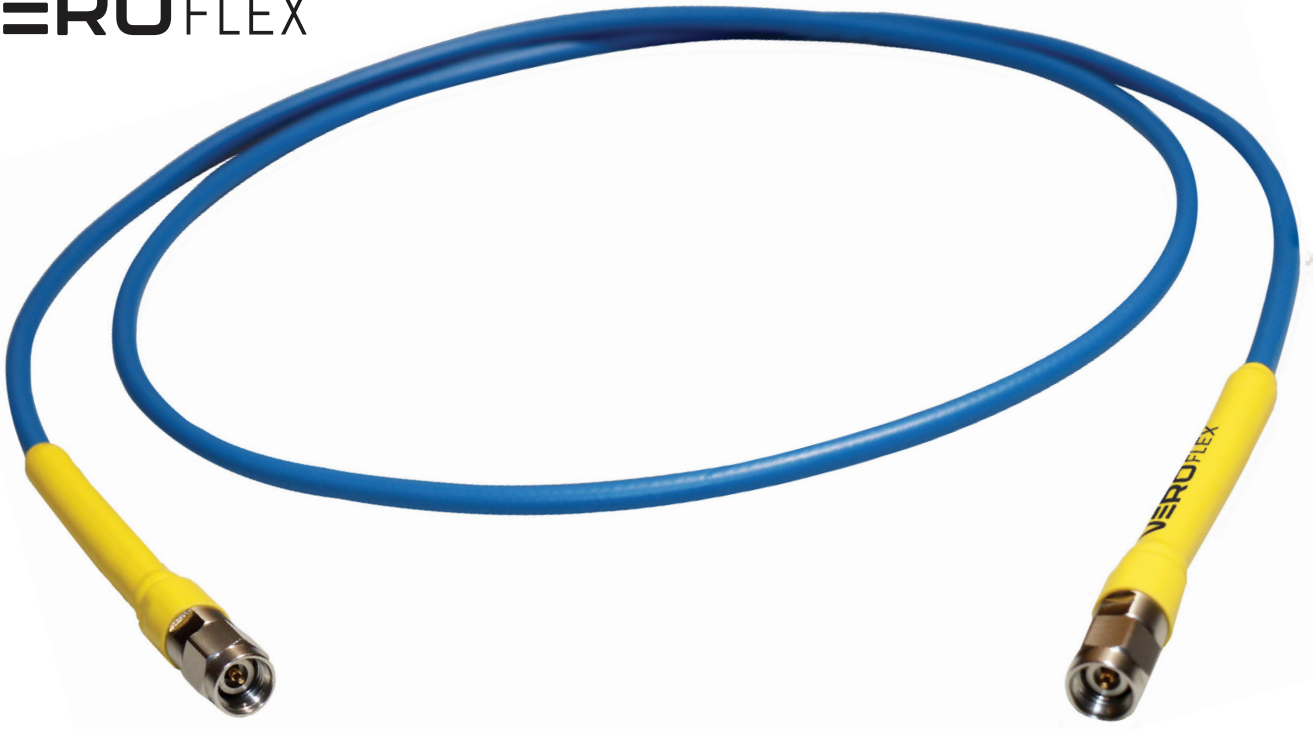


VF40 & VF50



VF40-armor & 50-armor

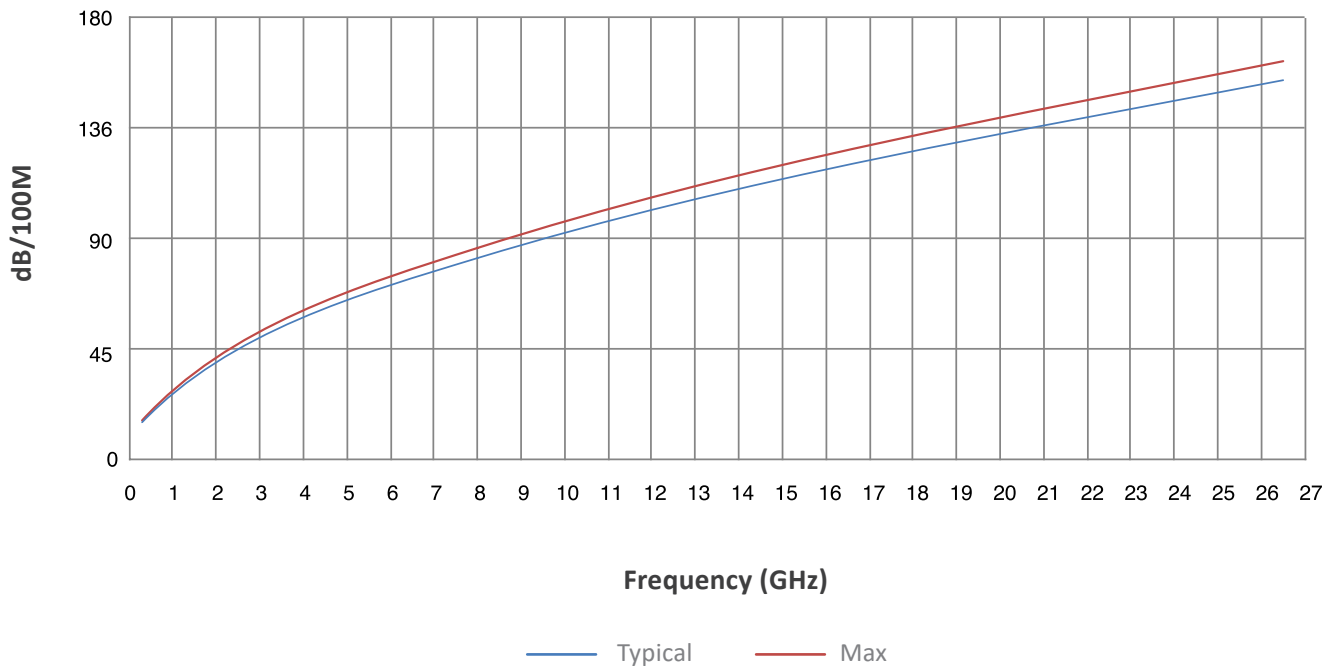




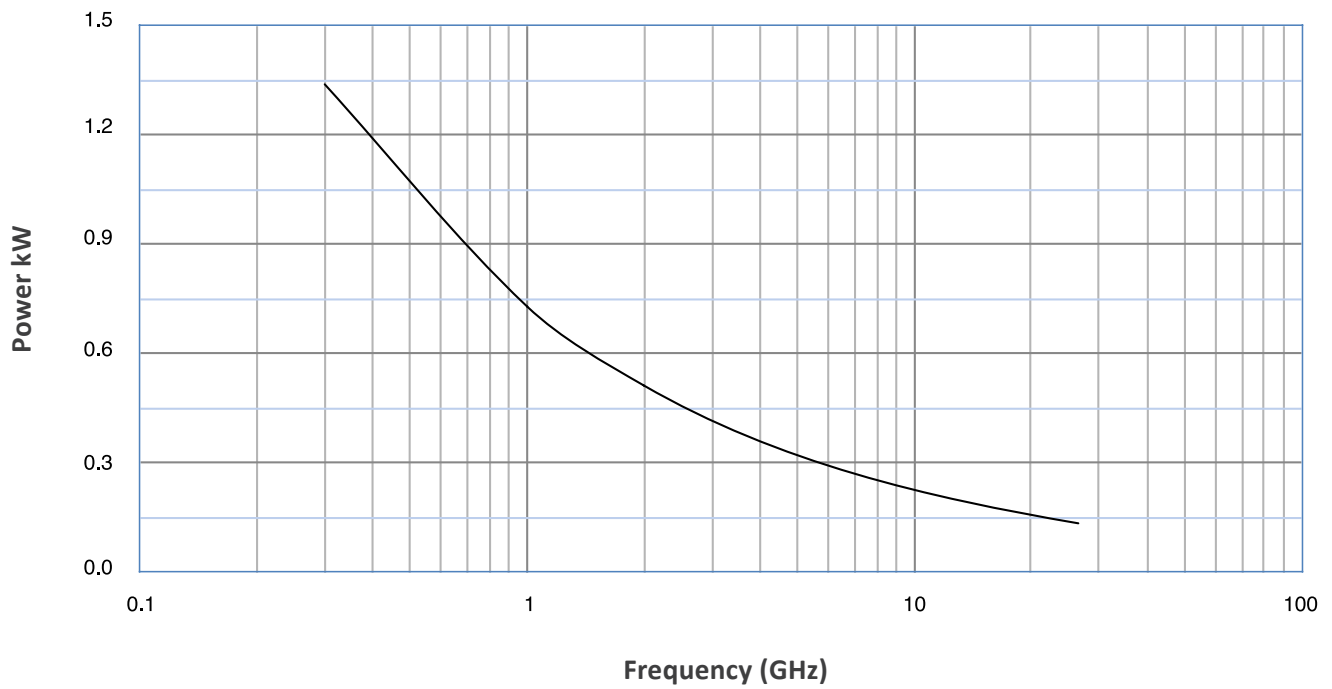
Specifications

Cable	VF18	VF18-armor	VF26	VF26-armor	VF40	VF40-armor	VF50	VF50-armor
Center Conductor	Stranded		Stranded		Stranded		Stranded	
Overall Diameter (mm)	5.5	9.0	6.0	9.0	4.3	6.0	4.0	6.0
Nominal Weight (g/m)	60	174	65	177	40	105	38	107
Minimum Bend Radius (mm)	28	40	30	40	22	25	20	25
Max Flex Cycles	200,000		200,000		200,000		200,000	
Temperature Range (°C)	-40/85		-40/85		-40/85		-40/85	
Maximum Frequency (GHz)	18.0		26.5		40		50	
Typical VSWR	1.19:1		1.22:1		1.25:1		1.25:1	
Maximum VSWR	1.3		1.30:1		1.35:1		1.40:1	
Max. Insertion Loss (dB/m)	1.98		1.6		3.07		4.9	
Impedance (Nominal) (Ohms)	50		50		50		50	
Phase Stability vs. Flexure	±5.0		±6.0		±6.0		±8.0	
Amplitude Stability vs. Bending(dB)	< ±0.1		< ±0.1		< ±0.15		< ±0.15	
Amplitude Stability vs. Shaking(dB)	< ±0.1		< ±0.1		< ±0.15		< ±0.15	
Dielectric Constant (Nominal)	1.83		1.45		1.52		1.83	
Velocity of Propagation (Nominal) (%)	74		83		81		74	
Time Delay (Nominal)(ns/cm)	0.045		0.0401		0.041		0.045	

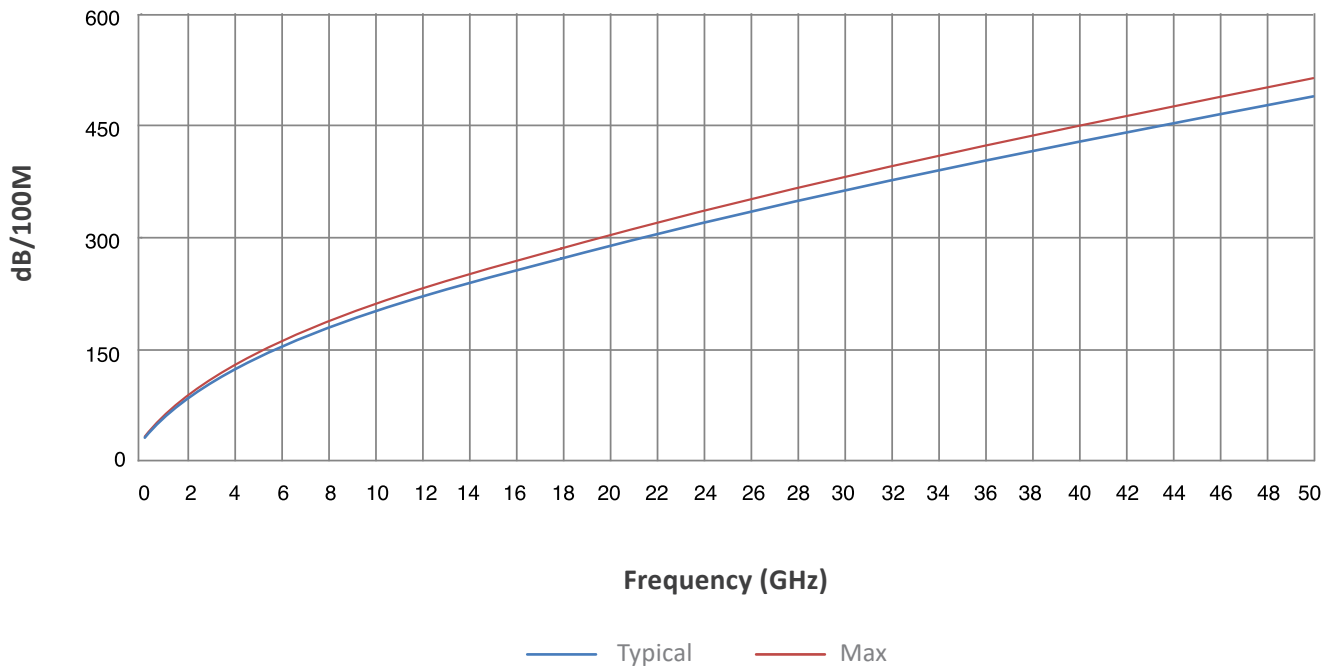
VF26 Attenuation



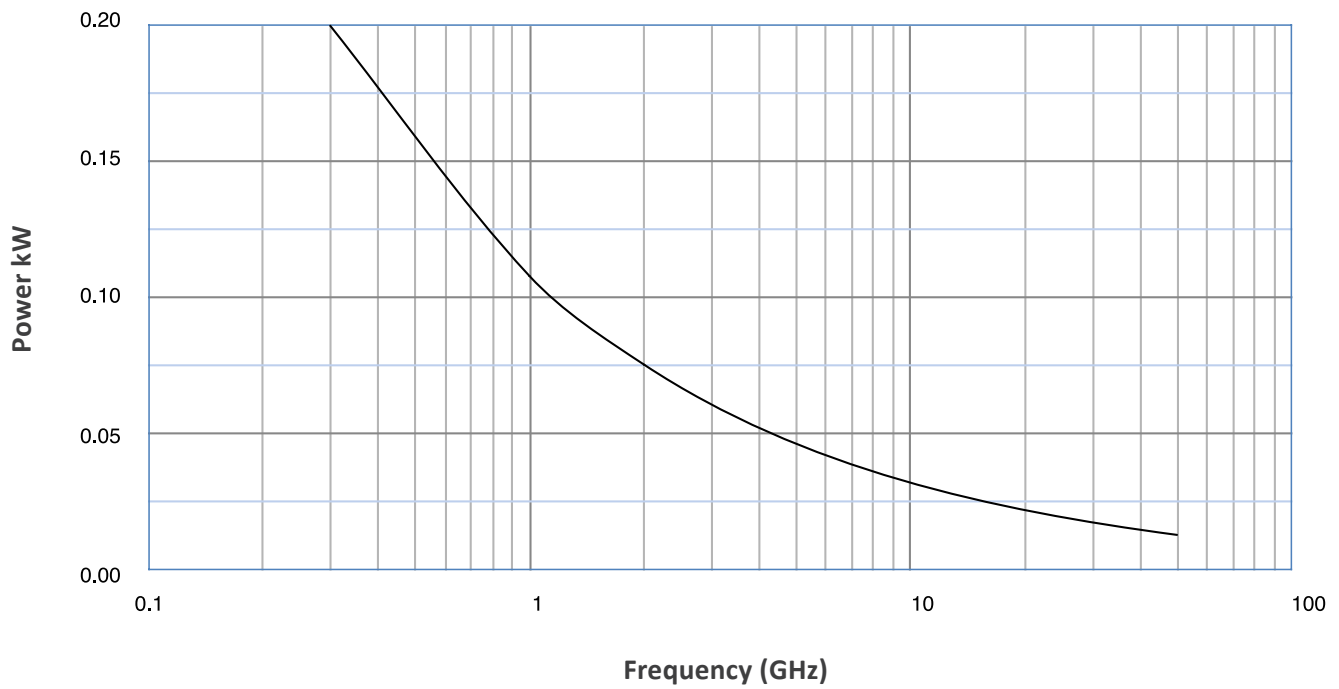
VF26 Average Power



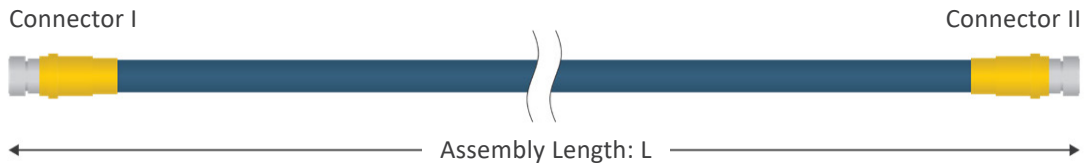
VF50 Attenuation



VF50 Average Power



Selecting The Suitable Cable: Part Number Construction



Cable Type-Length Conn (I)Conn (II) - A

VF18-01000 SMM SMM-N



1	Cable Type	Cable Code	2	Length Requirement	Length Code			
	VEROFlex Operating@Max 18GHz	VF18		1000mm	01000			
3	Connector (I)	Connector Code	4	Connector (II)	Connector Code	5	With Armor	No Armor
	SMA Male	SMM		SMA Male	SMM		A	N

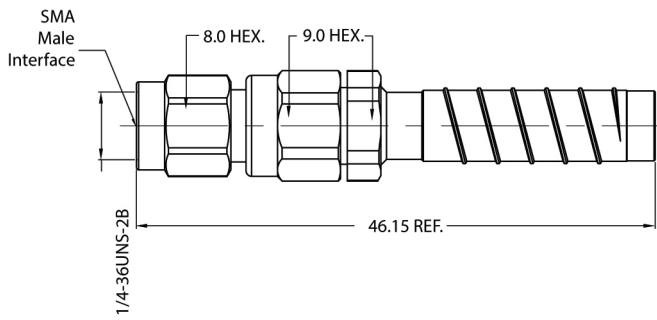
Criteria for Connector Selection

Connector Type	Mate	Connector Code			Max Operating Frequency (GHZ)	VF18/ VF18-armor	VF26/ VF26-armor	VF40/ VF40-armor	VF50/ VF50-armor
SMA	M	S	M	M	26.5	●	●	●	
SMA RA	M	A	S	M	18.0	●			
SMA	F	S	M	F	18.0	●			
N Type	M	N	N	M	18.0	●	●		
TNC	M	T	N	M	18.0	●			
3.5mm	M	D	M	M	26.5		●		
2.92mm	M	K	M	M	40.0			●	●
2.92mm RA	M	R	K	M	40.0				●
2.92mm	F	K	M	F	40.0				●
2.4mm	M	L	M	M	50.0				●
2.4mm	F	L	M	F	50.0				●

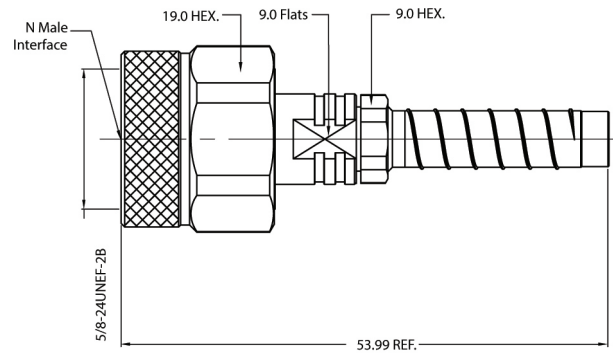
Available Standard Connectors

VF18

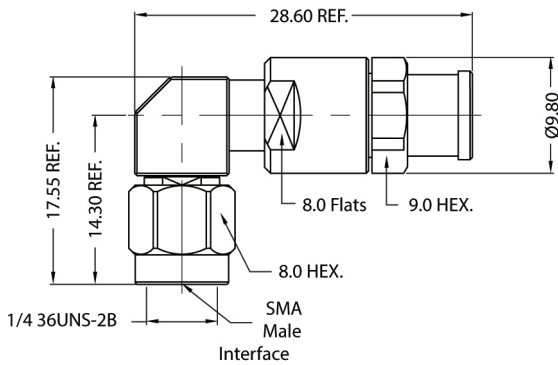
Type SMA Male Code SMM



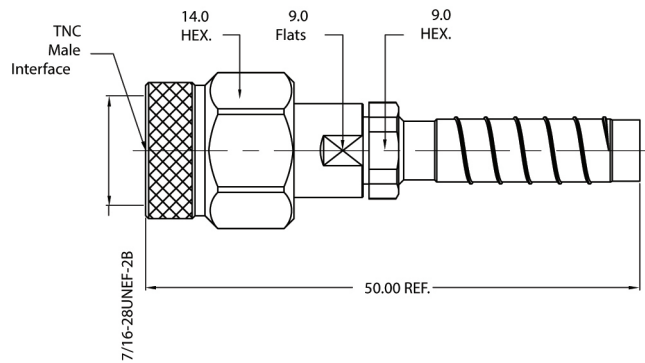
Type N Male Code NNM



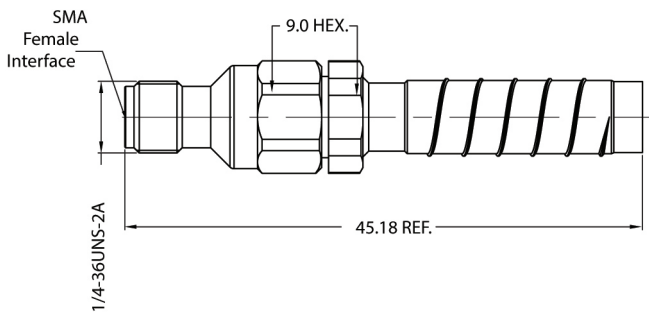
Type SMA Male RA Code ASM



Type TNC Male Code TNM



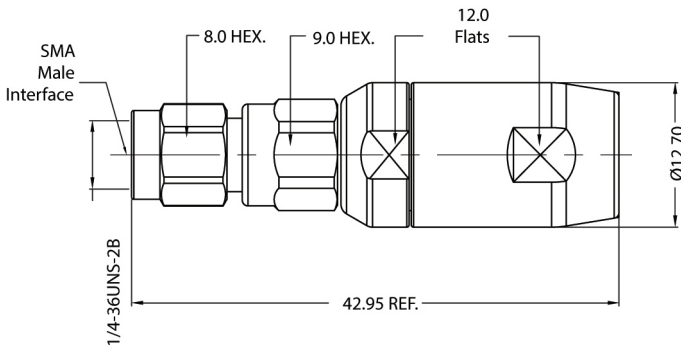
Type SMA Female Code SMF



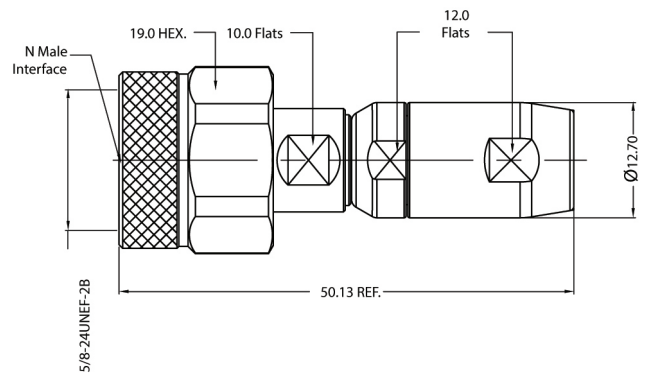
Available Standard Connectors

VF18-armor

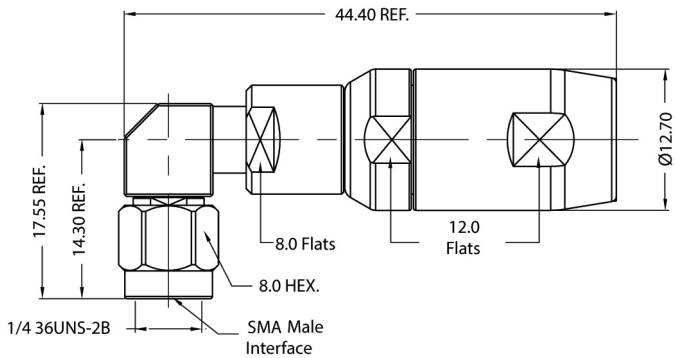
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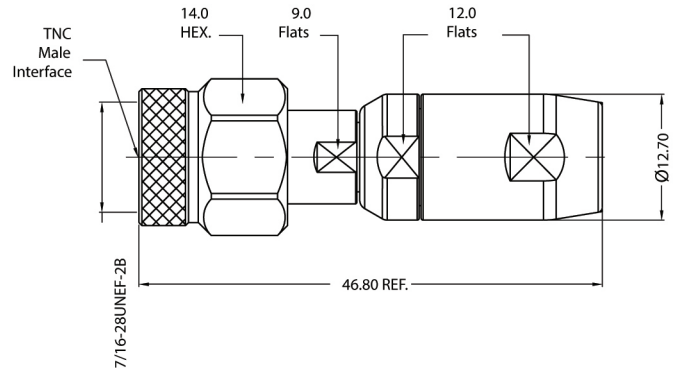
Type N Male Code NNM



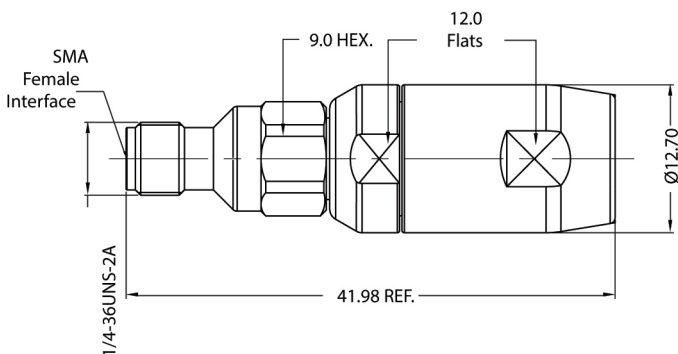
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Type TNC Male Code TNM



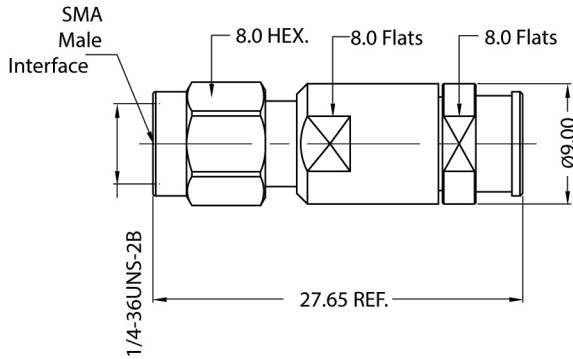
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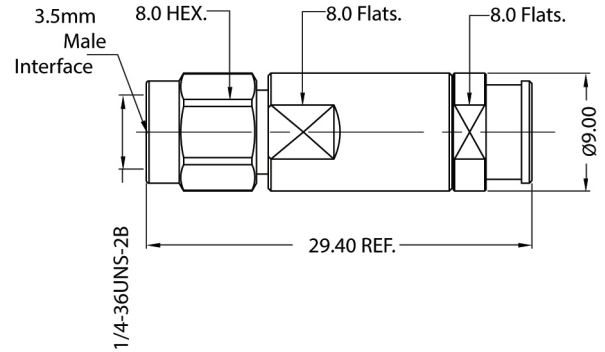
Available Standard Connectors

VF26

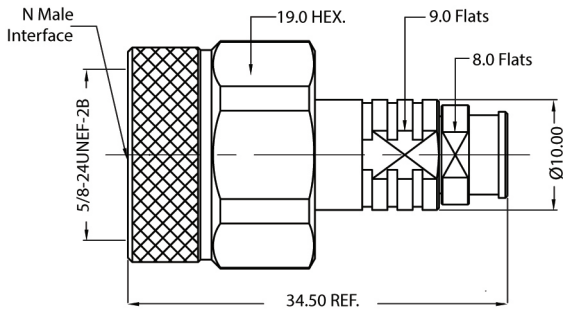
Type SMA Male Code SMM



Type 3.5mm Male Code DMM

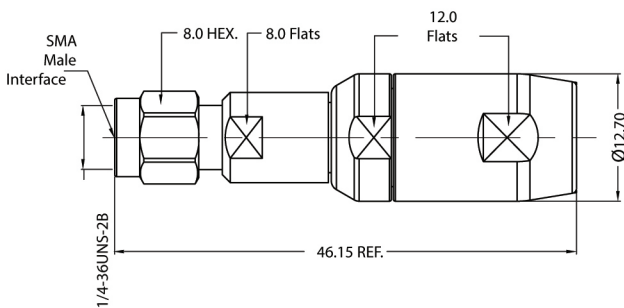


Type N Male Code NNM

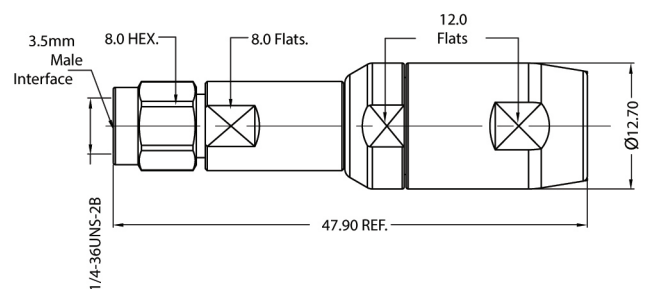


VF26-armor

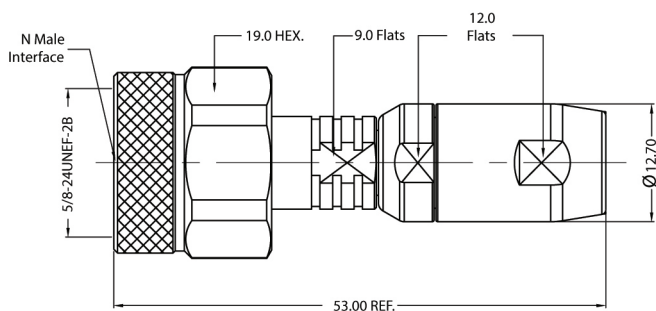
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Type 3.5mm Male Code DNM



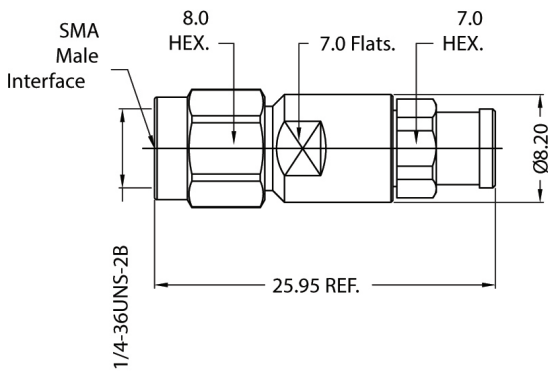
Type N Male Code NNM



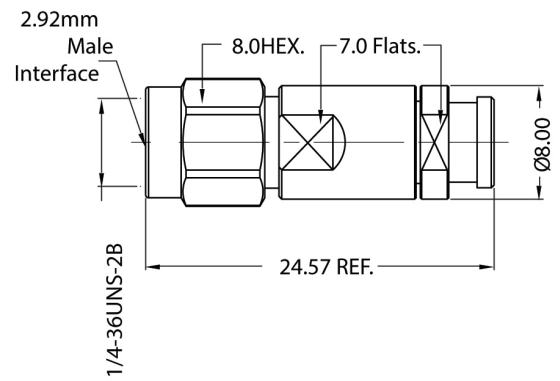
Available Standard Connectors

VF40

Type SMA Male Code SMM

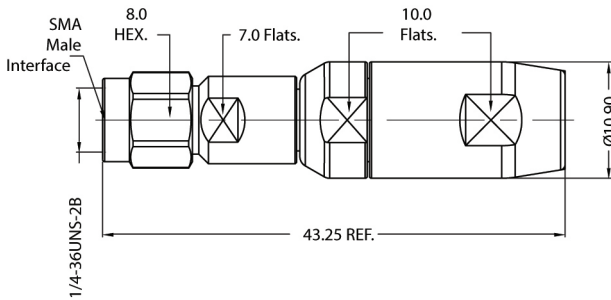


Type 2.92mm Male Code KMM

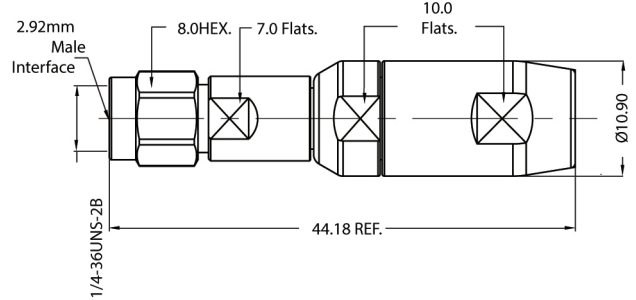


VF40-armor

Type SMA Male Code SMM



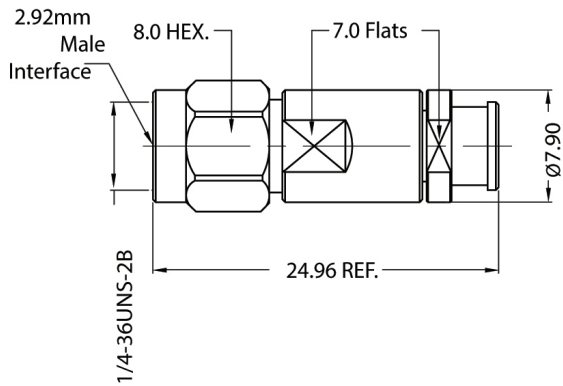
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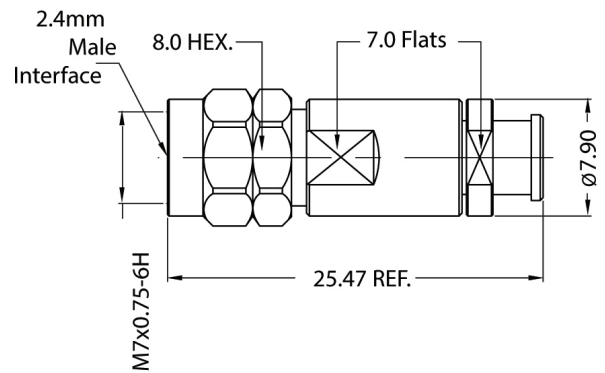
Available Standard Connectors

VF50

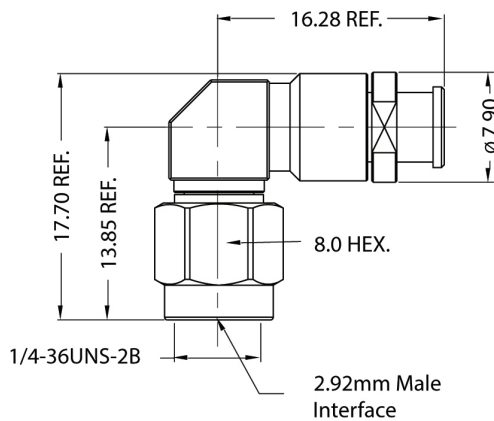
Type 2.92mm Male Code KMM



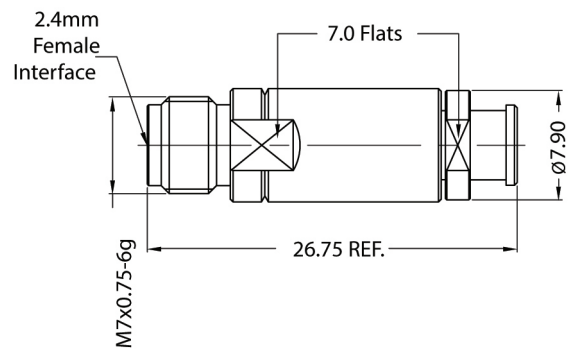
Type 2.4mm Male Code LMM



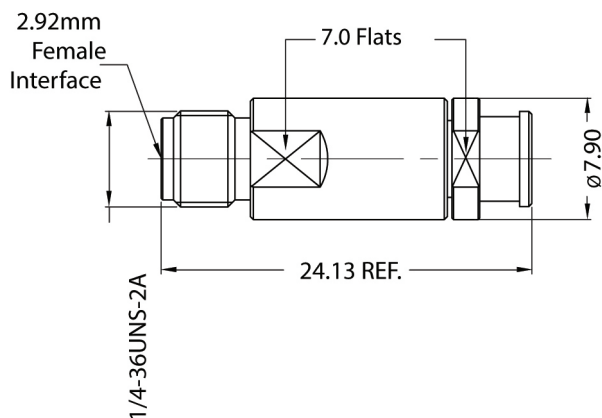
Type 2.92mm Male RA Code RKM



Type 2.4mm Female Code LMF



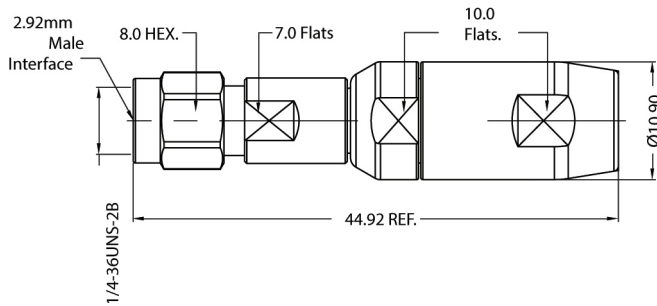
Type 2.92mm Female Code KMF



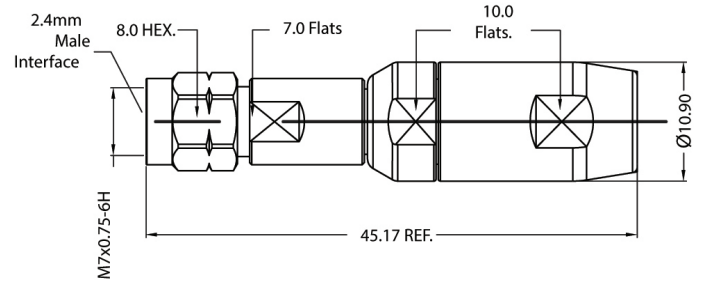
Available Standard Connectors

VF50-armor

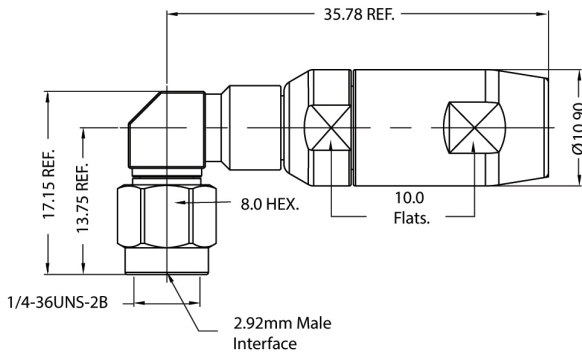
Type 2.92mm Male Code KMM



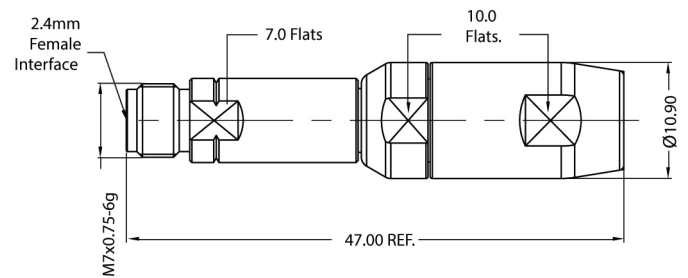
Type 2.4mm Male Code LMM



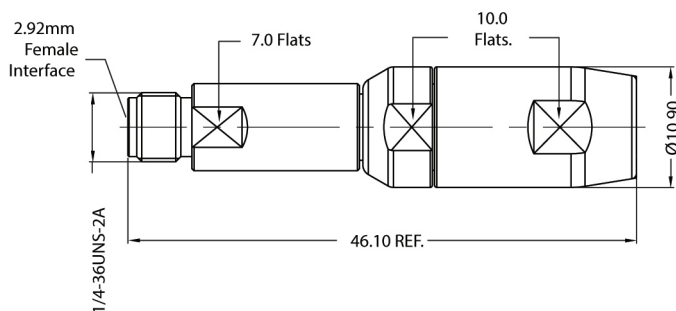
Type 2.92mm Male RA Code RKM



Type 2.4mm Female Code LMF



Type 2.92mm Female Code KMF



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