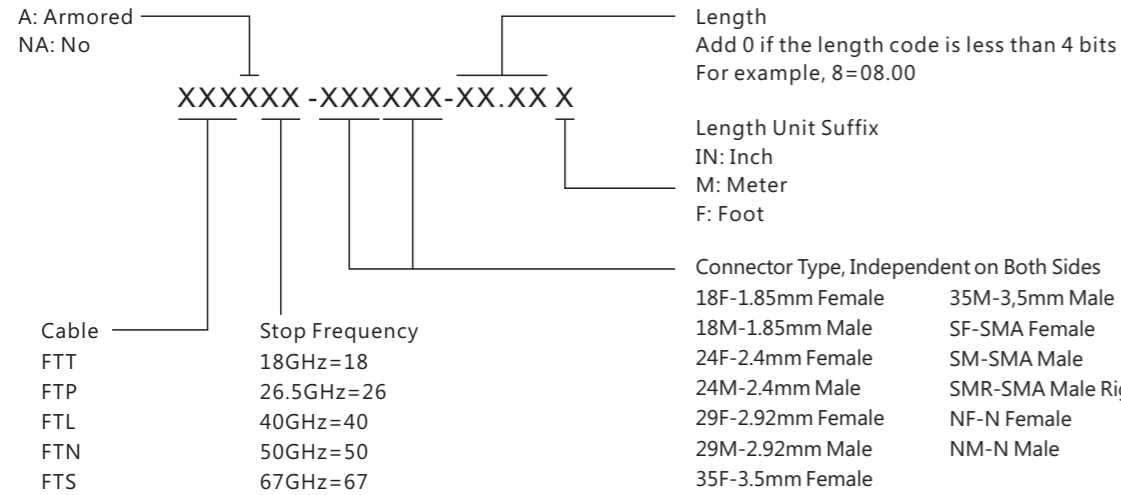
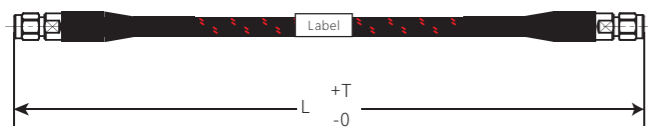


Assembly Selection Information



Cable	Conector Code	Material of Body	Material of Cetner Pin	Operating Freq. (GHz)
FTT	SM	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz
FTT	NM	Stainless Steel Passivated	Gold Plated BeCu	18GHz
FTL	24F	Stainless Steel Passivated	Gold Plated BeCu	40GHz
FTL	24M	Stainless Steel Passivated	Gold Plated BeCu	40GHz
FTL	29F	Stainless Steel Passivated	Gold Plated BeCu	40GHz
FTL	29M	Stainless Steel Passivated	Gold Plated BeCu	40GHz
FTL	35F	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz
FTL	35M	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz
FTL	NM	Stainless Steel Passivated	Gold Plated BeCu	18GHz
FTL	SF	Stainless Steel Passivated	Gold Plated BeCu	18GHz
FTL	SM	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz
FTP	29M	Stainless Steel Passivated	Gold Plated BeCu	40GHz
FTP	35M	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz
FTP	NM	Stainless Steel Passivated	Gold Plated BeCu	18GHz
FTP	SM	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz
FTN	24F	Stainless Steel Passivated	Gold Plated BeCu	50GHz
FTN	24M	Stainless Steel Passivated	Gold Plated BeCu	50GHz

Cable	Conector Code	Material of Body	Material of Cetner Pin	Operating Freq. (GHz)
FTN	29F	Stainless Steel Passivated	Gold Plated BeCu	40GHz
FTN	29M	Stainless Steel Passivated	Gold Plated BeCu	40GHz
FTN	35F	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz
FTN	35M	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz
FTN	NM	Stainless Steel Passivated	Gold Plated BeCu	18GHz
FTN	SM	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz
FTN	SMR	Stainless Steel Passivated	Gold Plated BeCu	18GHz
FTS	18F	Stainless Steel Passivated	Gold Plated BeCu	67GHz
FTS	18M	Stainless Steel Passivated	Gold Plated BeCu	67GHz
FTS	24F	Stainless Steel Passivated	Gold Plated BeCu	50GHz
FTS	24M	Stainless Steel Passivated	Gold Plated BeCu	50GHz
FTS	29F	Stainless Steel Passivated	Gold Plated BeCu	40GHz
FTS	29M	Stainless Steel Passivated	Gold Plated BeCu	40GHz
FTS	35M	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz
FTS	SF	Stainless Steel Passivated	Gold Plated BeCu	18GHz
FTS	SM	Stainless Steel Passivated	Gold Plated BeCu	26.5GHz



Label Requirement:
1. Cable Assembly Length: $X \leq 1m$, just one type label in middle.
2. Cable Assembly Length: $X > 1m$, two type labels on both sides, and the text goes in the opposite direction.

Assembly Length Tolerance Standard:
1. $L \leq 1m$, tolerance is $+10/-0mm$.
2. $L > 1m$, tolerance is $+1\%/-0mm$.
3. $X \leq 1m$, tolerance of assembly which with phase, time delay and armored is $+20/-0mm$.
4. $X > 1m$, tolerance of assembly which with phase, time delay and armored is $+2\%/-0mm$.

For Example: P/N
YYMMXXX-XXX

Contact Us

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The popularization of broadband and millimeter wave frequency created new chance for the communication revolution. As a result, precise, efficient and reliable cable assembly becomes essential. FABTest solution is right here to solve your such problems on MW&MMW signal transmission! It provides various cable and connector options to support frequency up to 67GHz. Also armors are available to resist crushing, twisting and kinking. Comparing to standard test cables, FABTest assembly maintains all the critical features, including phase and amplitude stability. Therefore, it is cost-effective alternative to standard test cables.



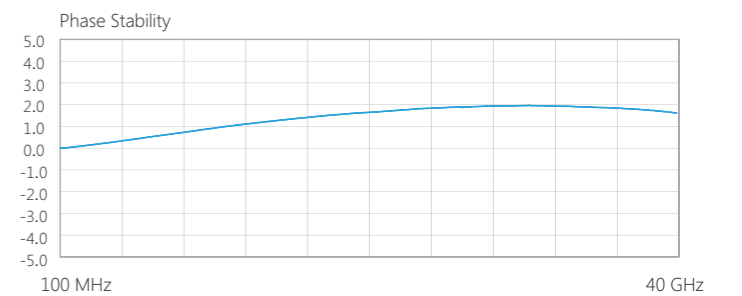
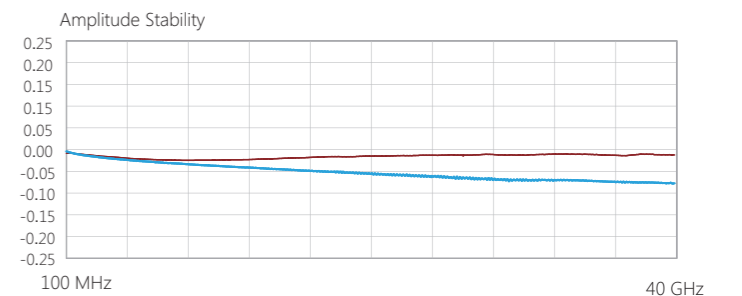
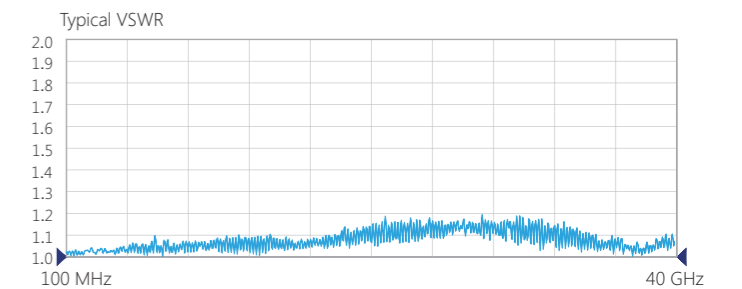
Typical Applications

- Test & Measurement
- 5G communication
- Autopilot
- Vehicle
- Maritime systems
- System interconnection
- Semi-conductor R&D and production
- Big data processing center

Advantages

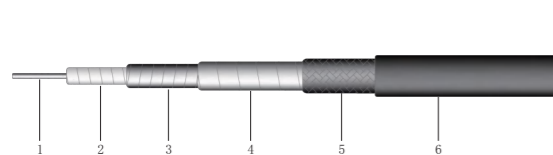
- High precision - rigorous manufacturing and quality control, guaranteed transmission precision;
- High reliability -reliable cable ensures the consisten of signal transmission;
- Ultra-low loss - unique structure brings extremely low insertion loss and great return loss;
- Optimized option - multi-option of connectors, plenty of stock, short delivery and long lifespan;
- Softer - softer cable and armor, more convenient installation.

Cable\Connector	FTT	FTP	FTL	FTN	FTS
18F					✓
18M					✓
24F			✓	✓	✓
24M			✓	✓	✓
29F			✓	✓	✓
29M		✓	✓	✓	✓
35F			✓	✓	
35M		✓	✓	✓	✓
SF			✓		✓
SM	✓	✓	✓	✓	✓
SMR				✓	
NF			✓		
NM	✓	✓	✓	✓	



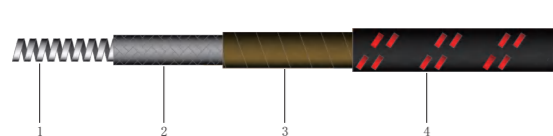


FABTest Cable Specifications



- 1 Center Conductor SPC
- 2 Dielectric PTFE
- 3 Outer Conductor SPC Tape
- 4 Interlayer PTFE
- 5 Outer Shield SPC Wire
- 6 Jacket FEP

	FTT	FTP	FTL	FTN	FTS
Electrical Specifications					
Operating Frequency	26.5	40	40	50	67
Typical VSWR	1.2	1.22	1.23	1.25	1.25
Typical Amplitude Stability(*)	±4	±5	±5	±5	±6
Guaranteed Amplitude Stability(dB)	±0.04	±0.05	±0.05	±0.06	±0.06
Impedance	50	50	50	50	50
*Velocity of Propagation"	83%	82%	82%	74%	74%
Peak Power	5.5	2	2	2.5	0.5



- 1 Armored Spring Stainless Steel Spring
- 2 Strengthen Net SPC Wire
- 3 Anti Twist Layer Waterproof Glue
- 4 Armored Jacket PTFE Wire

Physical & Mechanical Specifications																
Dimensions	mm		Inch		mm		Inch		mm		Inch		mm		Inch	
Center Conductor	Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Outer Diameter of Cable	5.3	0.209	3.8	0.118	3.8	0.106	3.6	0.094	2.6	0.067						
Outer Diameter of Armor	7.95	0.313	6	0.236	6	0.236	6	0.236	4.65	0.183						
Minimum Bending Radius	30	1.062	21	0.709	21	0.709	21	0.55	12	0.43						
Weight	63		32		35		34		20							
Temperature Range	-55°C/165°C(-67°F/329°F)															
Frequency(GHz)	dB/m	dB/Ft	kW	dB/m	dB/Ft	kW	dB/m	dB/Ft	kW	dB/m	dB/Ft	kW	dB/m	dB/Ft	kW	
3	0.40	1.312	0.500	0.56	1.84	0.291	0.66	2.165	0.292	0.76	2.49	0.234	1.11	3.64	0.154	
6	0.57	1.870	0.350	0.8	2.62	0.203	0.94	3.084	0.204	1.09	3.58	0.165	1.60	5.25	0.107	
18	1.02	3.346	0.197	1.43	4.69	0.114	1.67	5.479	0.115	1.92	6.30	0.093	2.88	9.45	0.059	
26.5	1.25	4.101	0.160	1.76	5.77	0.093	2.05	6.726	0.094	2.35	7.71	0.076	3.56	11.68	0.048	
29				1.85	6.07	0.088	2.15	7.054	0.089	2.46	8.07	0.073	3.74	12.27	0.046	
32				1.95	6.40	0.084	2.27	7.448	0.085	2.59	8.50	0.069	3.95	12.96	0.043	
40				2.21	7.25	0.074	2.56	8.399	0.075	2.92	9.58	0.061	4.48	14.70	0.038	
50										3.29	10.79	0.055	5.09	16.70	0.034	
67													6.02	19.75	0.028	
Attenuation at Frequency	$K1*\sqrt{FMHz}+K2*FMHz$															
K1	0.7156867		0.9915499		1.1684700		1.3707349		1.9500000							
K2	0.0003280		0.0005549		0.0005500		0.0004400		0.0014500							



FABTest Test Data

