

Engineered Products:

FBT[™]-400

Flexible Low Loss High Power Communications Coax

Ideal for...

- High Power Base Station Jumper Assemblies
- In-Building Plenum Feeder Runs
- Any High Power Low Loss RF cable application



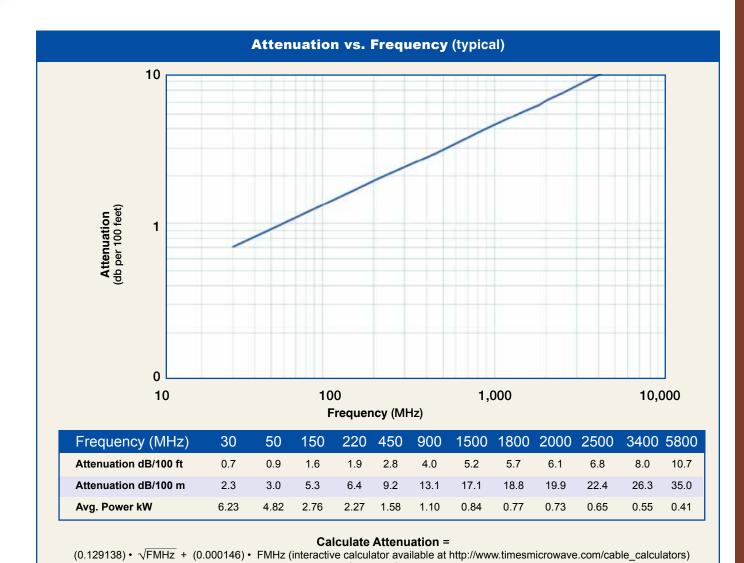
Environmental Specifications						
Performance Property	°F	°C				
Installation Temperature Range	-67/+302	-55/+150				
Storage Temperature Range	-67/+302	-55/+150				
Operating Temperature Range	-67/+302	-55/+150				

Construction Specifications						
Description	ion Material In. ((mm)			
Inner Conductor	Solid BCCAI	0.095	(2.41)			
Dielectric	Low Density PTFE	0.285	(7.24)			
Outer Conductor	Aluminum Tape	0.291	(7.39)			
Overall Braid	Tinned Copper	0.320	(8.13)			
Jacket	Brown FEP	0.370	(9.40)			

Mechanical Specifications							
Performance Property	Units	US	(metric)				
Bend Radius: installation	in. (mm)	1.8	(44.5)				
Bend Radius: repeated	in. (mm)	4	(101.6)				
Bending Moment	ft-lb (N-m)	1	(1.36)				
Weight	lb/ft (kg/m)	0.104	(0.15)				
Tensile Strength	lb (kg)	120	(54.5)				
Flat Plate Crush	lb/in. (kg/mm)	185	(3.31)				

Electrical Specifications							
Performance Property	Units	US	(metric)				
Velocity of Propagation	%	76					
Dielectric Constant	NA	1.73					
Time Delay	nS/ft (nS/m)	1.34	(4.40)				
Impedance	ohms	50					
Capacitance	pF/ft (pF/m)	26.7	(87.6)				
Inductance	uH/ft (uH/m)	0.067	(0.22)				
Shielding Effectiveness	dB	>90					
DC Resistance							
Inner Conductor	ohms/1000ft (/km)	1.80	(5.9)				
Outer Conductor	ohms/1000ft (/km)	1.65	(5.4)				
Voltage Withstand	Volts DC	2500					
Jacket Spark	Volts RMS	8000					
Peak Power	kW	16					





Attenuation:

VSWR=1.0; Ambient = +25°C (77°F)

Power:

VSWR=1.0; Ambient = +40°C; Inner Conductor = 100°C (212°F); Sea Level; dry air; atmospheric pressure; no solar loading



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Connec	tors	Part	Stock	VSV	VR**	Coupling	Inner Contact	Outer	Finish* Body	14	ength	Width	Weight
Interface	Description		Code	Freq.		Nut		Attach	/Pin	in	(mm)	in (mm)	
1. N Female	Straight Jack	TC-400-NF-PL	3190-964	<1.25:1	(2.5)	NA	Solder	Crimp	N/G	1.8	(45)	0.66(16.8)	0.105 (47.6
2. N Male	Straight Plug	EZ-400-NMH-PL-D	3190-602	<1.25:1	(2.5)	Hex/Knurl	Spring Finger	r Crimp	A/G	1.5	(38)	0.89(22.6)	0.113 (51.3
3. N Male	Straight Plug	TC-400-NMH-PL	3190-759	<1.25:1	(2.5)	Hex	Solder	Crimp	S/G	1.5	(38)	0.89(22.6)	0.113 (51.3
4. N Male	Right Angle	TC-400-NMH-RA-D	3190-2293	<1.35:1	(6)	Hex/Knurl	Solder	Crimp	A/G	1.8	(46)	1.25(31.8)	0.130 (59.0



Hardware Accessories

Туре	Part Number	Stock Code	Description	
Ground Kit	GK-S400T	GK-S400T	Standard Grounding Kit (each)	



Install Tools

Туре	Part Number	Stock Code	Description
Crimp Tool	CT-U	3192-181	Crimp Handle (Dies Required)
Crimp Dies	Y1719	3190-202	.429" Hex Dies
Crimp Tool	CT-400/300	3190-666	Crimp tool for LMR 400 connectors
Crimp Rings	CR-400	3190-830	Crimp rings for TC/EZ-400 connectors (package of 10)
Deburr Tool	DBT-U	3192-001	For 'EZ' Style Connectors
Cutting Tool	CCT-02	3192-165	Cable and flush cut tool
Replacement Blade	RB-02	3192-166	Replacement blade for cutting tool