

TCOM®-240 Low Loss Low Passive Intermod Coax

Ideal for...

- -155 dBc Intermodulation Distortion
- Low Loss UHF/Microwave Interconnect
- Wireless Base Station Interconnect
- Flexible for Easy Routing



Part Description			Stock	
Part Number	Application	Jacket	Color	Code
TCOM-240	Outdoor	PE	Black	55017
TCOM-240-FR	Indoor-Riser CMR	FRPE	Black	55023

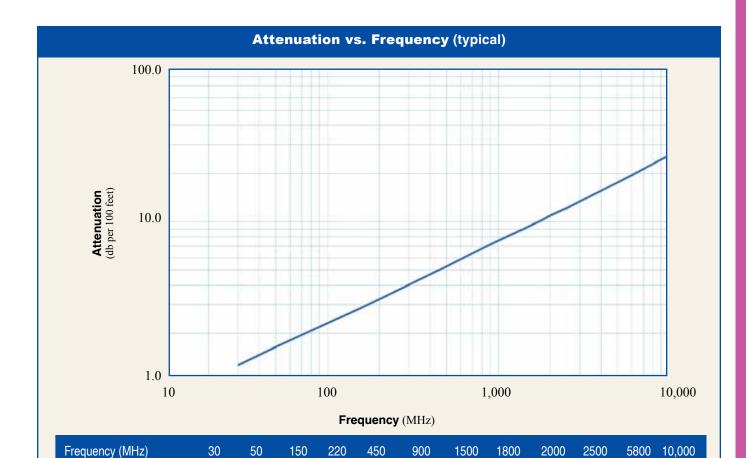
Environmental Specifications			
Performance Property	°F	°C	
Installation Temperature Range	-40/+185	-40/+85	
Storage Temperature Range	-94/+185	-70/+85	
Operating Temperature Range	-40/+185	-40/+85	

Construction Specifications					
Description	Material	ln.	(mm)		
Inner Conductor	Solid BC	0.056	(1.42)		
Dielectric	Foam PE	0.150	(3.81)		
Outer Conductor	SPC Strip Braid	0.160	(4.06)		
Overall Braid	TC Braid over Al tape	0.188	(4.78)		
Jacket	(see table)	0.240	(6.10)		

Mechanical Specifications				
Performance Property	Units	US	(metric)	
Bend Radius: installation	in. (mm)	0.75	(19.1)	
Bend Radius: repeated	in. (mm)	2.5	(63.5)	
Bending Moment	ft-lb (N-m)	0.25	(0.34)	
Weight	lb/ft (kg/m)	0.045	(0.07)	
Tensile Strength	lb (kg)	80	(36.3)	
Flat Plate Crush	lb/in. (kg/mm)	20	(0.36)	

Electrical Specifications					
Performance Property	Units	US	(metric)		
Velocity of Propagation	%	84			
Dielectric Constant	NA	1.42			
Time Delay	nS/ft (nS/m)	1.21	(3.97)		
Impedance	ohms	50			
Capacitance	pF/ft (pF/m)	24.2	(79.4)		
Inductance	uH/ft (uH/m)	0.060	(0.20)		
Shielding Effectiveness	dB	>100			
DC Resistance					
Inner Conductor	ohms/1000ft (/km)	3.2	(10.5)		
Outer Conductor	ohms/1000ft (/km)	2.06	(6.8)		
Voltage Withstand	Volts DC	1500			
Jacket Spark	Volts RMS	5000			
Peak Power	kW	5.6			
Passive Intermod	dBc	-155			





Calculate Attenuation =

5.0

16.4

0.40

7.2

23.5

0.28

9.4

30.7

0.21

10.3

33.9

0.19

10.9

35.8

0.18

12.3

40.3

0.16

Attenuation dB/100 ft

Attenuation dB/100 m

Avg. Power kW

1.3

4.2

1.58

1.6

5.4

1.22

2.9

9.4

0.70

3.5

11.4

0.57

(0.229148) • √FMHz + (0.000331) • FMHz (interactive calculator available at http://www.timesmicrowave.com/cable_calculators)

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

26.2

86.0

0.07

19.4

63.6

0.10

TIMES MICROWAVE SYSTEMS

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Hardware Accessories

Туре	Part Number	Stock Code	Description	
Ground Kit	GK-S240TT	GK-S240TT	Standard Ground Kit (each)	



Installation Tools

Туре	Part Number	Stock Code	Description
Crimp Tool	CT-240/200/195/100	3190-667	Crimp tool for LMR-100, 195, 200 and 240 connectors
Strip Tool	CST-240A	3192-152	Prep tool for LMR-240 connectors
Deburr Tool	DBT-U	3192-001	Removes center conductor rough edges
Cutting Tool	CCT-02	3192-165	Cable end flush cut tool
Replacement Blade	RB-02	3192-166	Replacement blade for cutting tool
Replacement Blade Kit	RB-CST	3192-086	Replacement blade kit for all CST strip tools