

# CA-PA160

PSATEK LOW LOSS&PHASE STABLE CABLE ASSEMBLY, PA160, DC~40GHz

# PSATEK

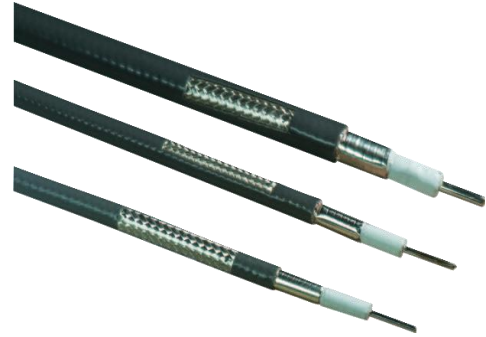
Specializing in RF & Microwave Components

## FEATURES:

- High Phase Stability
- Low Loss
- Low PIM
- Light Weight

## APPLICATIONS

- Laboratory
- RF Test & Measurements
- Communication Systems
- Avionics



## ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~40GHz
MAX OPERATING FREQUENCY	41GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	82%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	1500V, DC
PASSIVE INTERMOD	-155dBc
PHASE STABILITY	750PPM@-55℃~+85℃ max

## ORDERING INFORMATION:

CABLE ASSEMBLY	CA - PA160 - 40 - 9F9M - 0.5
CABLE TYPE	
STOP FREQUENCY(GHz)	
RF CONNECTORS	(9F9M :2.92mm female - 2.92mm male)
OVERALL LENGTH (m)	

## PERFORMANCES BY FREQUENCIES(25℃ / Sea Level)

FREQUENCY	GHz	1	2	4	6	8	10	12.4	18	26.5	40
ATTENUATION, MAX	dB/100m	36.2	51.3	72.7	89.3	103.3	115.7	129	156	190.2	235
INPUT POWER(CW), MAX	Watts	634	447	315	257	222	198	178	147	121	98

## ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55℃~+165℃
-----------------------	------------

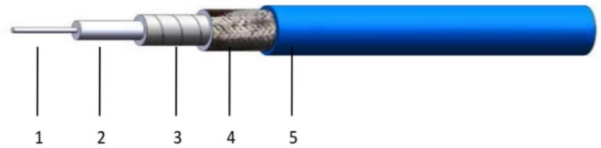
## MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	24mm
MIN BENDING RADIUS/REPEATED	48mm
WEIGHT	40g/m

## CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	1.05mm
DIELECTRIC②	PTFE	2.85mm
FIRST SHIELD③	Silver-plated Copper Tape	3.05mm
SECOND SHIELD④	Silver-plated Copper Braid	3.4mm
JACKET⑤	PFA	3.60mm

## MECHANICAL OUTLINE(mm):



## PSATEK INC.

Specializing in RF & Microwave Components

5F, Unit 1, Blg 4, No. 486,  
Guanghua East, 3rd Road,  
Qingyang District, Chengdu, China

Phone: +86 17882494562

Email: sales@psatek.com

[www.psatek.com](http://www.psatek.com)