

# CA-PA220

PSATEK LOW LOSS&PHASE STABLE CABLE ASSEMBLY, PA220, DC~18GHz

# PSATEK

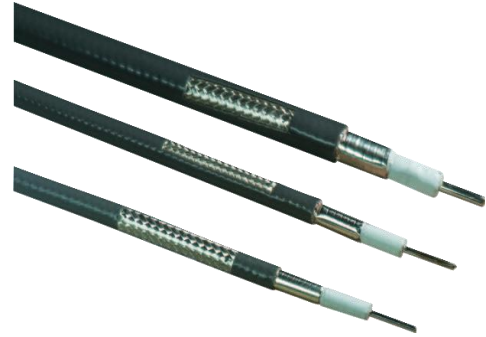
Specializing in RF & Microwave Components

## FEATURES:

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

## APPLICATIONS

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



## ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~18GHz
MAX OPERATING FREQUENCY	27GHz
IMPEDANCE	50 Ω
VELOCITY OF PROPAGATION	83%
SCREENING EFFECTIVENESS	90dB min
VOLTAGE RATING	2000V, DC
PASSIVE INTERMOD	-155dBc
PHASE STABILITY	750PPM@-55℃~+85℃ max

## ORDERING INFORMATION:

CABLE ASSEMBLY	CA - PA220 - 18 - SFSM - 0.5
CABLE TYPE	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
(SFSM :SMA female - SMA male)	
SMA:S - N-type:N	
OVERALL LENGTH (m)	

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

FREQUENCY	GHz	1	2	4	6	8	10	12.4	16	18
ATTENUATION, MAX	dB/100m	22.3	31.6	44.8	55	63.6	71.2	79.5	90.5	96.1
INPUT POWER(CW), MAX	Watts	1024	723	509	415	359	320	287	252	238

## ENVIROMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55℃~+165℃
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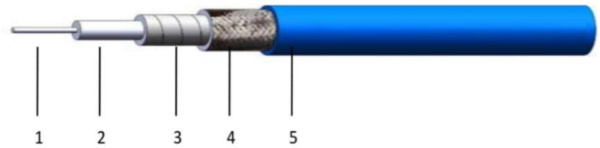
## MECHANICAL SPECIFICATIONS

MIN BENDING RADIUS/SINGLE	28mm
MIN BENDING RADIUS/REPEATED	56mm
WEIGHT	93g/m

## CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	1.60mm
DIELECTRIC②	PTFE	4.30mm
FIRST SHIELD③	Silver-plated Copper Tape	4.50mm
SECOND SHIELD④	Silver-plated Copper Braid	5.10mm
JACKET⑤	PFA	5.60mm

## MECHANICAL OUTLINE(mm):



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