

CA-PT700

PSATEK HAND-FLEX CABLE ASSEMBLY, PT700, DC~18GHz

FEATURES:

- Applicable in Frequencies up to 18GHz
- Handformable
- Alternative to Semi-rigid and Semi-flex cables
- Low VSWR

APPLICATIONS

- Radar Systems
- Point-to-point interconnections between RF modules

ELECTRICAL SPECIFICATIONS:

OPERATING FREQUENCY	DC~18GHz
MAX OPERATING FREQUENCY	19GHz
IMPEDANCE	50Ω
VELOCITY OF PROPAGATION	70%
SCREENING EFFECTIVENESS	90dB min.
VOLTAGE RATING	3000V, DC

ORDERING INFORMATION:

	CA - PT700 - 18 - NMNM - 0.5
CABLE ASSEMBLY	
PSATEK HAND-FLEX PT700	
STOP FREQUENCY(GHz)	
RF CONNECTORS	
(NMNM :N male - N male)	
OVERALL LENGTH (m)	



PERFORMANCES BY FREQUENCIES(25 °C / Sea Level)

FREQUENCY	GHz	0.3	0.5	1	3	6	10	12.4	18	-
ATTENUATION, MAX	dB/100m	13.1	17.4	25.7	49.5	77	108.3	125.5	163.3	-
INPUT POWER(CW), MAX	Watts	512	386	261	136	87	62	53	41	-

ENVIROMENTAL & MECHANICAL SPECIFICATIONS:

OPERATING TEMPERATURE	-55 °C ~ +125 °C
SINGLE BEND RADIUS	35mm
REPEATED BEND RADIUS	70mm
WEIGHT	142g/m

CONSTRUCTION SPECIFICATIONS:

INNER CONDUCTOR①	Silver-plated Copper	1.63mm
DIELECTRIC②	PTFE	5.28mm
INNER SHIELD③	Silver-plated Copper Tape	5.60mm
OUTER SHIELD④	Silver-plated Copper Braid	6.17mm
JACKET⑤	Blue FEP	7.00mm

MECHANICAL OUTLINE(mm):

