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## FLEXIBLE RF CABLE (1/4" FLEXIBLE)

PLU030379



### CONSTRUCTION MATERIAL

INNER CONDUCTOR:	Copper-Clad aluminium wire
DIELECTRIC:	Physical Foam Polyethylene
OUTER CONDUCTOR:	Corrugated copper tube
JACKET:	Black PE

### PHYSICAL DIMENSIONS

INNER CONDUCTOR DIAMETER:	2.60mm
DIELECTRIC DIAMETER:	6.45mm
OUTER CONDUCTOR DIAMETER:	7.70mm
DIAMETER OVER JACKET:	9.00mm

### MECHANICAL SPECIFICATION

MINIMUM BENDING RADIUS	
SINGLE BENDING:	38mm
REPEATED BENDING:	76mm
MINIMUM NUMBER OF BENDS:	15
TENSILE STRENGTH:	530n

### ENVIRONMENTAL SPECIFICATION

STORAGE TEMPERATURE:	-55°C /+85°C
INSTALLATION TEMPERATURE:	-40°C /+60°C
OPERATING TEMPERATURE:	-55°C/ +85°C

### ELECTRICAL SPECIFICATION

CAPACITANCE:	78.0Pf/m(23.8 pF/ft)
IMPEDANCE:	50+/-1 OHM
VELOCITY:	86%
RF PEAK VOLTAGE:	0.83 KV
PEAK POWER RATING:	11KW
CUT-OFF FREQUENCY:	18.6 GHZ
SHIELDING	
EFFECTIVENESS>10MHZ:	>120DB
INSULATION RESISTANCE:	5000 OHM X KM
OPERATING TEMPERATURE:	-55c / +85c

### PERFORMANCE

FREQUENCY MHZ	ATTENUATION DB/100M	DB/100FT	AVERAGE POWER RATING
100	4.05	1.23	1.87
150	5.00	1.52	1.51
200	5.80	1.77	1.30
280	7.05	2.15	1.07
450	8.90	2.71	0.85
800	12.10	3.69	0.62
900	12.80	3.90	0.58
1000	13.60	4.15	0.55
1500	17.00	5.18	0.44
1800	18.90	5.76	0.40
2000	20.00	6.10	0.37
2200	21.10	6.43	0.35
2400	22.30	6.80	0.34
2500	23.00	7.01	0.34
3000	25.20	7.68	0.30