

EA11 - High Power Flexible Cable

Model: EA11-xx-yy-zzM

Connectors: N (f or m) and 7-16 (f or m)

Attenuation & RF Power (+20 °C; sea level)

Frequency GHz	1	2	3	4	5	6	8	10
Attenuation dB/m	0.10	0.15	0.18	0.21	0.24	0.27	0.32	0.36
CW Power W	3340	2234	1830	1551	1370	1218	1028	910

Construction



Description	Diameter	Material
1 Center Conductor	4.04 mm	Stranded SPC
2 Dielectric	10.67 mm	Expanded PTFE Tape
3 Outer Conductor	10.97 mm	SPC Strip
4 Outer Shield	11.48 mm	SPC Braid
5 Jacket	12.19 mm	FEP

SPC: silver plated copper PTFE, FEP: teflon

Mechanical & Environmental

Bend Radius: installation	69.85 mm
Bend Radius: repeated	139.7 mm
Weight	293 g/m
Operating Temperature	-55 ... +85 °C

Electrical

Impedance	50 Ω	Shielding Effectiveness	>95 dB
Velocity of Propagation	83%	Cut-Off Frequency	10 GHz
Delay Time	4.04 ns/m	Flex. Phase Stability*	±8.4° at 10 GHz
Capacitance	80 pF/m	Temp. Phase Stability	220 ppm at +22 ... +125 °C
Isolation Voltage	6000 V	Amplitude Stability*	<±0.10 dB/m at 10 GHz

* Phase and amplitude stability test method:
wrap the cable 360° around a mandrel with radius of 10 times the cable diameter

