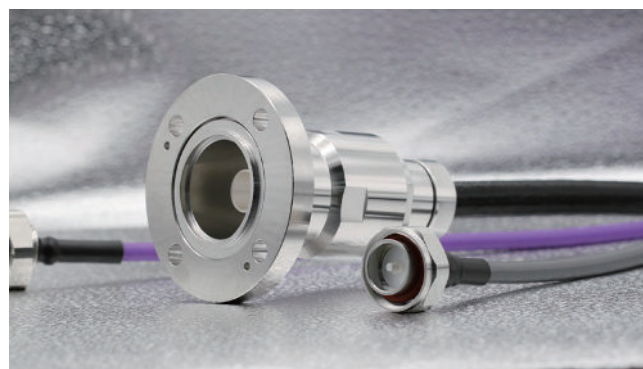


Super Flexible RF High Power Cables



Application

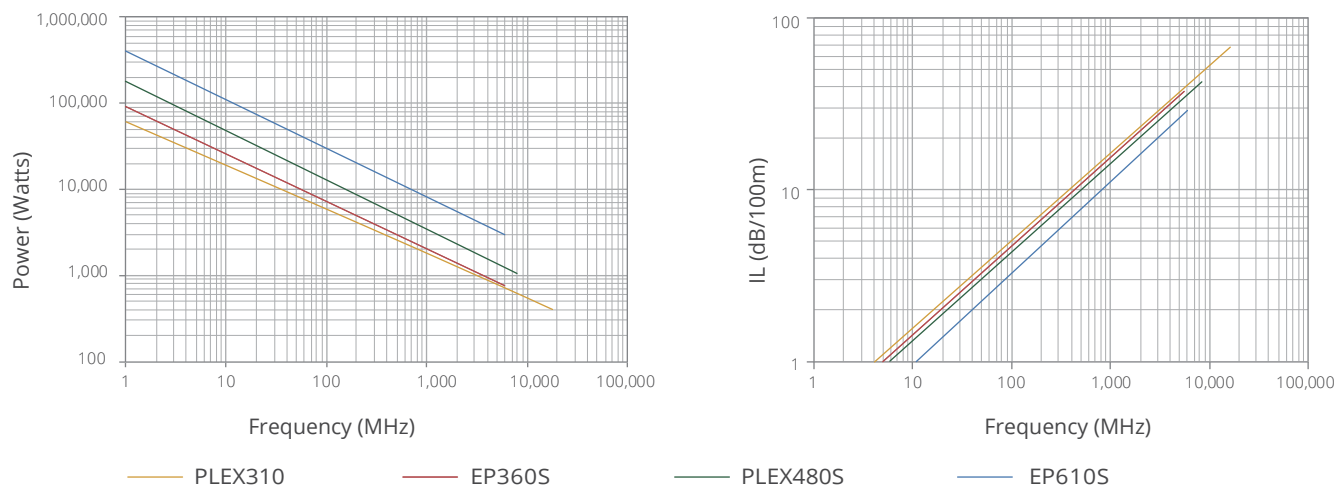
- Broadcast
- Wafer Fabrication Equipment
- Industrial Equipment
- Aerospace
- EMI / RFI Testing
- Medical Imaging



Reference data

Cable Type	PLEX310	EP360S	PLEX480S	EP610S
Inner Conductor	Silver Plated Copper (Solid) 2.30 mm 0.0906 inch	Silver Plated Copper (37 Stranded) 2.62 mm 0.1031 inch	Silver Plated Copper (19 Stranded) 3.80 mm 0.1496 inch	Copper Clad Aluminum (19 Stranded) 5.20 mm 0.2047 inch
Dielectric	LD PTFE 6.20 mm 0.2441 inch	LD PTFE 7.70 mm 0.3031 inch	Microporous Teflon Film 10.15 mm 0.3996 inch	LD PTFE 13.15 mm 0.5177 inch
Outer Conductor	Spiral Wrapped Silver Plated Copper	Bonded Aluminum Foil 7.83 mm 0.3083 inch	Silver Plated Copper Tape 10.40 mm 0.4094 inch	Bonded Aluminum Foil 13.30 mm 0.5236 inch
	Tape+ Silver Plated Copper Braid 6.93 mm 0.2728 inch	Silver Plated Copper 8.40 mm 0.3307 inch	Silver Plated Round Copper Wire 11.25 mm 0.4429 inch	Silver Plated Copper 13.80 mm 0.5433 inch
Jacket	FEP 7.80 mm 0.3071 inch	FEP 9.00 mm 0.3543 inch	FEP 12.20 mm 0.4803 inch	FEP 14.50 mm 0.5709 inch
Min. Static Bend Radius (mm)	35	46	60	50
Weight (g/m)	130	215	275	420
Temperature Range(°C)	-55 to +125	-55 to +165	-55 to +165	-55 to +155
Impedance (Ohms)	50	50	50	50
Velocity of Propagation (%)	83	76	83	83
Cut-off Frequency (GHz)	19	13.5	8	6
Shielding Effectiveness (dB)	90	90	90	90
Voltage (VRMS)	2000	3500	4000	5000

Average Power @ 20 °C



Applicable connectors



Connector	Max. Frequency (GHz)	Mating Cycles	Voltage Rating (Vrms)
7/16	7.5	>500	2700
LC	1.0	>500	3000
HN	4.0	>500	1500
SC	11.0	>500	1200
N	18.0	>500	1000
EIA 1-5/8	3.0	>500	5100
EIA M52	3.0	>500	5100
EIA 7/8	6.0	>500	2800
EIA M36	6.0	>500	2800

Power Rating

