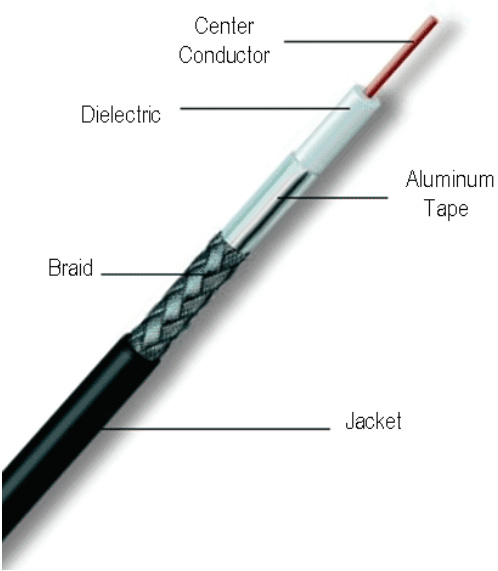


CA195FR

Non-halogen (non-toxic), low smoke, fire retardant cable.

- Rated CMR and FT4
- Meets FAA FAR25 requirements



Cable Construction

Description	Material	mm	Inches
1. Inner Conductor	Solid bare copper	0.94	0.037
2. Dielectric	Foam PE (Polyethylene)	2.79	0.110
3. Outer Conductor	Aluminum Tape	2.95	0.116
4. Overall Braid	Tinned Copper	3.53	0.139
5. Jacket	FRPE (black or white)	4.95	0.195

Mechanical Specifications

Performance Characteristics	Unit	Metric	US
Installation Bend Radius	mm - in.	12.7	0.5
Tensile Strength	kg - lb.	18.2	40
Cable Weight	kg/m - lb/ft	0.03	0.021
Operating Temperature Rating	°C - °F	-40° to 85°	-40° to 185°

Electrical Specifications

Performance Characteristics	Unit	Metric	US
Cutoff Frequency	GHz	41	41
Peak Power	kW	2.5	2.5
Velocity of Propagation	%	80	80
Impedance	ohms (Ω)	50	50
Capacitance	pF/m - pF/ft	83.3	25.4
DC Resistance - Inner Conductor	ohms/km ohms/1000 ft	24.9	7.6
DC Resistance - Outer Conductor	ohms/km ohms/1000 ft	16.1	4.9
Shielding Effectiveness	dB	>90	>90
Jacket Spark	Volts RMS	3000	3000

Attenuation and Average Power

Frequency (MHz)	dB/100 Meter	dB/100 Foot	Av. Power (kW)
30	6.5	2	0.89
50	8.4	2.5	0.68
150	14.6	4.4	0.39
220	17.7	5.4	0.32
450	25.5	7.8	0.22
800	34.4	10.5	0.15
900	36.5	11.1	0.14
1500	47.7	14.5	0.12
1800	52.5	16	0.11
2000	55.4	16.9	0.10
2200	58.3	17.8	0.09
2400	61.1	18.6	0.09
2500	62.4	19	0.09
3500	74.7	22.8	0.07
5800	98.1	29.9	0.06