

# CA400 - FR

Fire Retardant and Low Smoke Zero Halogen (LSZH)



## Specifications Cable Construction:

Description	Material	Diameter (mm)
1. Inner conductor	Solid BCCAIW	2.74
2. Dielectric	Foamed Polyethylene	7.24
3. Outer Conductor	Bonder Aluminium Tape	7.39
4. Braid	34AWG Tinned Copper, 90%	8.13
5. Jacket	FR - LSZH (Black)	10.29

## Mechanical Specifications

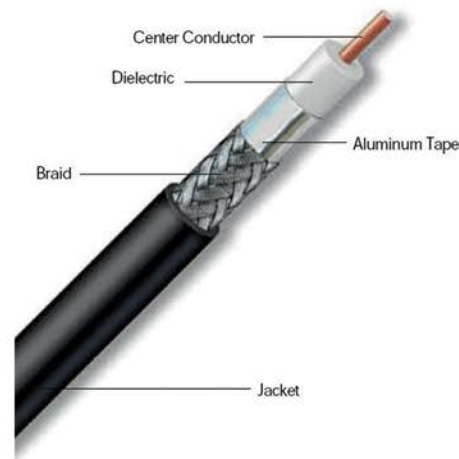
Performance Characteristic	Unit	Metric
Minimum Bend Radius Installation	mm	25
Minimum Bend Radius Respeated	mm	102
Max. Pulling Tension	lbs - Kg	740
Crush Resistance of Cable	load of 700N	< 1%
Operating Temperature Range	°C	- 40 ~+85
RoHS		OK

## Electrical Specifications

Description	Unit	Metric
Characteristic Impedance	Ohm	50+/-2
Capacitance	pF/m	78
Velocity Radio	%	85
DCR: Inner Conductor	Ohm/km	< 4.60
DCR: Outer Conductor	Ohm/km	< 6.00
Jacket Sparket	V RMS	8000
Dielectric Strength	V DC	2500
Insulation Resistance	Mkm	>10000
Peak Power	KW	16
Shielding Effectiveness	dB	> 90
VSWR	30 ~ 2500 MHz /db	< 1.25
Inductance	uH/m	0.20

## Attenuation and Average Power

Frequency (GHz)	dB/100 Meter	Av. Power (KW)
30	2.20	3.33
50	2.90	2.57
150	5.00	1.47
220	6.10	1.20
450	8.90	0.83
900	12.80	0.58
1500	16.80	0.44
1800	18.60	0.40
2000	19.60	0.37
2500	22.20	0.33
5800	35.50	0.21



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