

Jumper Technical Datasheet

- Inner Conductor 14HF, 38HF, 12HF, 12ST: CCA
- Dielectric: FOAM Polyethylene
- Outer Conductor: Seam welded corrugated copper tube
- Jacket: UV, Sunlight resistant Black Polyethylene (FR & LSZH Jackets are available upon special request)

Physical Specifications	14HF	38HF	12HF	12ST
Jacket: Polyethylene; OD: (mm)	7.7	10.8	13.4	16.0
Outer Conductor: Corrugated Copper Tube; OD: (mm)	6.3	9.60	12.1	13.7
Dielectric: Foam PE; OD: (mm)	4.8	6.90	8.85	11.9
Center Conductor: CCA OD: (mm)	1.9	2.80	3.6	4.8
Bend Radius: Min Single (mm)	25	25	32	70
Bending Moment: (Nm)	2.5	2.8	4.4	3.8
Tensile Strength: N	500	600	700	1100

Environmental Specifications				
Installation Temperature Range °C	-25/+60°C	-25/+60°C	-25/+60°C	-25/+60°C
Storage Temperature Range °C	-70/+85°C	-70/+85°C	-70/+85°C	-70/+85°C
Operating Temperature Range °C	-40/+85°C	-40/+85°C	-40/+85°C	-40/+85°C

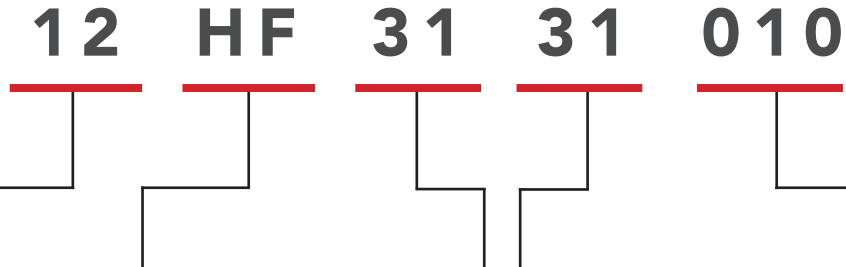
Electrical Specifications				
Velocity of Propagation: %	83	83	83	83
Impedance: Ohms	50	50	50	50
Capacitance: (pF/m)	79.4	80	78	76
Peak Power rating kW	3.94	11.9	16	40
Insulation Resistance MΩ Km	10000	10000	10000	10000
Shielding Effectiveness: dB	>100	>100	>100	>100
Center Conductor DC Resistance: Ohms/(km)	9.84	4.76	2.90	1.60
Attenuation @ MHz	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
450	12.75	9.14	7.2	4.76
824	17.58	12.60	9.86	6.56
900	18.44	13.20	10.34	6.88
1800	26.93	19.20	15.09	10.02
2200	30.05	21.40	16.87	11.19
2500	32.27	23.00	18.12	12.02
2700	33.80	24.20	19	12.65
3000	35.69	25.47	20.12	13.34
3800	40.86	29.18	22.98	15.21

Insertion Loss	Attenuation	VSWR	PIM
Insertion Loss should not exceed: (L x published attenuation + 2 x 0.15dB)	Maximum attenuation value shall be 105 % of the nominal attenuation value other frequencies on request	For DC to 3 GHz : Maximum of 1.1:1 For 3 to 3.8 GHz : Maximum of 1.15:1	IM3: < -160dBc (static and dynamic) (measured using two +43 dBm carriers)

All information contained in the present datasheet is subject to confirmation at time of ordering

Jumper Part Code

Each letter and number in the model number indicates a specific feature of the product



Cable Series	Cable Type	Connector Code	Length
14 38 12	HF =Superflexible ST =Standard	Refer Connector Code table	005 = 0.5m
			010 = 1.0m
			015 = 1.5m
			020 = 2.0m
			025 = 2.5m
			095 = 9.5m
			100 = 10.0m
			105 = 10.5m

Connector Code Table

Connector Family	Male Straight	Male Right Angle	Female Straight	Female Right Angle
Din 7/16	11	12	13	14
N	21	22	23	24
4.3-10 Screw coupling	31	32	33	34