

DESCRIPTION

- 1/2" superflex foam cable (HCAHY-50-9)
- Corrugated Copper
- Low Attenuation
- Low VSWR



ELECTRICAL DATA

IMPEDANCE	50±1 Ω
CUTOFF FREQUENCY	10.2 GHz
VELOCITY OF PROPAGATION	81%
PEAK POWER RATING	16 kW
INSULATION RESISTANCE	>10000 MΩ. km
DIELECTRIC STRENGTH	2.5 kV
CAPACITANCE	83 pF/m
INDUCTANCE	0.19 μH/m
DC RESISTANCE INNER CONDUCTOR	2.9 Ω/km
DC RESISTANCE OUTER CONDUCTOR	4.5 Ω/km
INTERMODULATION (IM3, 2X20 W)	≤ -160 dBc
@910 MHz and 1800 MHz (static and dynamic)	
VSWR	AM 550 kHz -1600 kHz ≤1.06
	FM 87 MHz -108 MHz ≤1.08
	DAB 170 MHz - 240 MHz ≤1.10
	UHF 470 MHz - 870 MHz ≤1.10

Contact us for premium value in your specific frequency band.

ATTENUATION AND AVERAGE POWER

FREQUENCY (MHz)	ATTENUATION (dB/100 m)	AVERAGE POWER (kW)
450	7,48	1,38
800	10,30	1,01
900	11,09	0,91
1000	11,49	0,88
1800	16,44	0,634
2000	17,43	0,597
2200	18,42	0,564
2400	18,71	0,552
3000	22,28	0,421
4000	26,44	0,394
6000	34,06	0,306
8000	40,99	0,254

Attenuation at 20°C (68°F) cable temperature, maximum value shall be 105% of the nominal attenuation value.

Average power rating at 40°C (104°F) ambient temperature.

MECHANICAL DATA

INNER CONDUCTOR	CCA	3.60±0.05 mm
DIELECTRIC	Foamed PE	9.10±0.03 mm
OUTER CONDUCTOR	Helicar Corrugated Cu	12.0±0.15 mm
OUTER JACKET	PE (Black)	13.55±0.20 mm
MIN. BENDING RADIUS (single)		17 mm
MIN. BENDING RADIUS (multiple)		35 mm
TENSILE STRENGTH		800 N
WEIGHT		165 kg/km
OPERATING TEMPERATURE	PE	-55°C+85°C
INSTALLATION TEMPERATURE	PE	-40°C+60°C
STORAGE TEMPERATURE	PE	-70°C+85°C

Cable manufactured by ASCEND



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Specification are subject to change without notice

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