

DESCRIPTION

- 3/8" superflex cable
- Standard PE jacket HCAHY-50-7
- Fire retardant jacket HCAHYZ-50-7
- Corrugated Copper
- Low Attenuation
- Low VSWR



ELECTRICAL DATA

IMPEDANCE	50±1 Ω
MAX. FREQUENCY	15 GHz
CUTOFF FREQUENCY	17 GHz
VELOCITY OF PROPAGATION	82%
PEAK POWER RATING	13.2 kW
INSULATION RESISTANCE	>5000 MΩ. km
DIELECTRIC STRENGTH	2500 V
CAPACITANCE	82 pF/m
INDUCTANCE	0.195 μH/m
DC RESISTANCE INNER CONDUCTOR	5.5 Ω/km
DC RESISTANCE OUTER CONDUCTOR	5.8 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.

MECHANICAL DATA

INNER CONDUCTOR	10A CCA	2.6±0.05 mm
DIELECTRIC	Foamed PE	6.7±0.02 mm
OUTER CONDUCTOR	Helical Corrugated Cu tube	9.1±0.15 mm
	Thickness	0.17 mm
OUTER JACKET	PE	10.2±0.20 mm
	FRNC	10.2±0.20 mm
MIN. BENDING RADIUS (single)		15 mm
MIN. BENDING RADIUS (multiple)		30 mm
NUMBER OF BENDS (minimum)		15
TENSILE STRENGTH		900 N
OPERATING TEMPERATURE	PE	-55°C+85°C
	FRNC	-40°C+85°C
INSTALLATION TEMPERATURE	PE	-40°C+60°C
	FRNC	-25°C+60°C
STORAGE TEMPERATURE	PE	-70°C+85°C
	FRNC	-40°C+85°C

ATTENUATION AND AVERAGE POWER

FREQUENCY (MHz)	ATTENUATION (dB/100 m)	AVERAGE POWER (kW)
450	9,40	0,86
800	12,87	0,65
1000	14,36	0,48
1700	17,72	0,42
2200	23,27	0,35
2400	25,35	0,32
3000	27,23	0,31
4000	28,91	0,28
6000	36,83	0,22
8000	43,86	0,19

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.

Cable manufactured by ASCEND



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Specification are subject to change without notice

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