

DESCRIPTION

- 1/4" superflex cable
- Standard PE jacket HCAHY-50-5
- Fire retardant jacket HCAHYZ-50-5
- Corrugated Copper
- Low Attenuation
- Low VSWR



ELECTRICAL DATA

IMPEDANCE	50±1 Ω
MAX. FREQUENCY	20.4 GHz
CUTOFF FREQUENCY	25 GHz
VELOCITY OF PROPAGATION	82%
PEAK POWER RATING	8.2 kW
INSULATION RESISTANCE	>5000M Ω. km
DIELECTRIC STRENGTH	1600 V
CAPACITANCE	80 pF/m
DC RESISTANCE INNER CONDUCTOR	9.95 Ω/km
DC RESISTANCE OUTER CONDUCTOR	7.7 Ω/km
INTERMODULATION (IM3, 2X20 W)	≤ -160 dBc
	@910 MHz and 1800 MHz (static and dinamic)
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	12,21	0,52
800	17,23	0,42
1000	19,41	0,37
1800	26,08	0,25
2200	29,70	0,24
2400	31,42	0,21
3000	34,89	0,19
4000	41,39	0,17
6000	52,18	0,14
8000	61,78	0,12

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	10A CCA	1.9±0.04 mm
DIELECTRIC	Foamed PE	4.8±0.02 mm
OUTER CONDUCTOR	Helical Corrugated Cu tube	6.4±0.15 mm
	Thickness	0.18 mm
OUTER JACKET	PE	7.5±0.20 mm
	FRNC	7.5±0.20 mm
MIN. BENDING RADIUS (single)		12 mm
MIN. BENDING RADIUS (multiple)		25 mm
NUMBER OF BENDS (minimum)		15
TENSILE STRENGTH		680 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

Cable manufactured by ASCEND



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Specification are subject to change without notice

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www.aldena.it - aldena@aldena.it