



DESCRIPTION

- 3" foam cable
- Standard cable HHTAY-50-70
- Fire retardant cable HHTAYZ-50-70
- Corrugated Copper
- Low Attenuation
- Low VSWR

ELECTRICAL DATA

IMPEDANCE	50±1 Ω
CUTOFF FREQUENCY	1.6 GHz
VELOCITY OF PROPAGATION	88%
PEAK POWER RATING	600 kW
INSULATION RESISTANCE	>5000 MΩ. km
DC BREAKDOWN VOLTAGE	15 kV
CAPACITANCE	77 pF/m
VSWR	AM 550 kHz -1600 kHz ≤1.06
	FM 87 MHz -108 MHz ≤1.13

Contact us for premium value in your specific frequency band.

ATTENUATION AND AVERAGE POWER

FREQUENCY (MHz)	ATTENUATION (dB/100 m)	AVERAGE POWER (kW)
30	0,24	52,4
88	0,43	29,3
108	0,48	26,2
174	0,63	20,1
200	0,68	18,5
300	0,86	14,7
450	1,09	11,5
500	1,16	10,8
600	1,30	9,7
700	1,43	8,8
800	1,55	8,1

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	Helical Corrugated Cu tube	26 mm
DIELECTRIC	Foamed PE	nom. 65 mm
OUTER CONDUCTOR	Annular Corrugated Cu tube	73 mm
OUTER JACKET	PE	79 mm
	FRNC	79 mm
MIN. BENDING RADIUS (single)		400 mm
MIN. BENDING RADIUS (multiple)		800 mm
NUMBER OF BENDS (minimum)		15
TENSILE STRENGTH		4000 N
OPERATING TEMPERATURE	PE	-55°C+85°C
	FRNC	-40°C+70°C
INSTALLATION TEMPERATURE	PE	-40°C+60°C
	FRNC	-25°C+60°C
STORAGE TEMPERATURE	PE	-55°C+85°C
	FRNC	-40°C+70°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