



DESCRIPTION

- 5" Air Dielectric Cable (SUY-50-105)
- Corrugated Copper
- Low Attenuation
- Low VSWR
- High Power Rating

ELECTRICAL DATA

IMPEDANCE		50±2 Ω
VELOCITY OF PROPAGATION		96%
MAXIMUM FREQUENCY		0.5 GHz
PEAK POWER RATING		1560kW
DC BREAKDOWN VOLTAGE		12.5 kV
DC RESISTANCE	Inner conductor	0.31 Ω/km
	Outer conductor	0.12 Ω/km
CAPACITANCE		70 pF/m
VSWR	AM 550 kHz -1600 kHz	≤1.06
	FM 87 MHz -108 MHz	≤1.08

Contact us for premium value in your specific frequency band.

ATTENUATION AND AVERAGE POWER

FREQUENCY (MHz)	ATTENUATION (dB/100 m)	AVERAGE POWER (kW)
1	0,03	1110
2	0,04	785
88	0,27	115
108	0,30	104
174	0,38	81,0
200	0,41	75,3
300	0,52	60,5
400	0,60	51,8
450	0,64	48,6
500	0,68	45,8

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	Corrugated copper tube	45.0 mm
DIELECTRIC	PTFE spacer	98.1 mm
OUTER CONDUCTOR	Corrugated copper tube	109.3 mm
OUTER JACKET	PE	115.1 mm
WEIGHT		5.2 kg/m
MIN. BENDING RADIUS (single)		500 mm
MIN. BENDING RADIUS (multiple)		1200 mm
NUMBER OF BENDS (minimum)		15
OPERATING TEMPERATURE		-45°C+85°C
INSTALLATION TEMPERATURE		-40°C+60°C

Cable manufactured by ASCEND



ALDENA is the official distributor and European warehouse
of Tianjin Zhonghuan Ascend Technologies Co., Ltd (ASCEND)

Specification are subject to change without notice

TELECOMUNICAZIONI ALDEN A SRL

www.aldena.it - aldena@aldena.it