



DESCRIPTION

- 7/8" foam cable
- Standard cable HACTAY-50-22
- Fire retardant cable HACTAYZ-50-22
- Corrugated Copper
- Low Attenuation
- Low VSWR

ELECTRICAL DATA

IMPEDANCE	50±1 Ω
CUTOFF FREQUENCY	5.2 GHz
VELOCITY OF PROPAGATION	88%
PEAK POWER RATING	91 kW
INSULATION RESISTANCE	>5000 MΩ . km
DIELECTRIC STRENGTH	6000 V
CAPACITANCE	76 pF/m
INDUCTANCE	0.19 μH/m
DC RESISTANCE INNER CONDUCTOR	1.50 Ω/km
DC RESISTANCE OUTER CONDUCTOR	1.60 Ω/km
INTERMODULATION (IM3, 2X20 W)	≤ -155 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.

MECHANICAL DATA

INNER CONDUCTOR	Cu tube	9.05±0.05 mm
DIELECTRIC	Foamed PE	nom. 22.4 mm
OUTER CONDUCTOR	Annular Corrugated Cu tube	24.9±0.2 mm
OUTER JACKET	PE	27.5±0.30 mm
	FRNC	27.5±0.30 mm
MIN. BENDING RADIUS (single)		140 mm
MIN. BENDING RADIUS (multiple)		250 mm
NUMBER OF BENDS (minimum)		15
TENSILE STRENGTH		1500 N
OPERATING TEMPERATURE	PE	-55°C+85°C
	FRNC	-40°C+85°C
INSTALLATION TEMPERATURE	PE	-40°C+65°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)
10	0,362	24,60
20	0,508	17,30
30	0,634	14,10
80	1,057	8,416
87	1,101	8,080
100	1,178	7,560
108	1,228	7,260
150	1,475	6,120
450	2,644	3,410
500	2,782	3,220
600	3,069	2,910
700	3,337	2,670
800	3,594	2,480
824	3,653	2,440
960	4,031	2,240
1000	4,079	2,190
1800	5,693	1,560
2000	6,089	1,480
2400	6,733	1,300
3000	7,525	1,160

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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