

PAIRCC50E-5

5" Air-Insulation Coaxial Cable

PROSE

- 5" Air-Insulation Coaxial Cable
- Corrugated copper outer conductor
- Black PE jacket
- This product is used for telecommunication system



Photo for reference

Material

Inner conductor material	Corrugated copper tube
Dielectric material	PTFE spacer
Outer conductor material	Corrugated copper tube
Jacket material	PE, Black, Halogen free

Dimensions

Nominal size	5"
Inner conductor OD.	Ø 45.0 mm
Dielectric OD.	Ø 98.1 mm
Outer conductor OD.	Ø 109.3 mm
Jacket OD.	Ø 115.1 mm

Reference standard

UV Resistance	UL 1581 or IEC 60068-2-5
---------------	--------------------------

Electrical Specification

Impedance, nominal		50 Ω
Relative Velocity of Propagation		96%
Capacitance		70 pF/m
Maximum Operating Frequency		0.5 GHz
Stop Frequency		0.8 GHz
Peak Power Rating		1560 kW
DC Breakdown Voltage		12.5 kV
VSWR	526.5kHz ~ 1606.5kHz	≤1.06
	1MHz ~ 30MHz	≤1.08
	87MHz ~ 108MHz	≤1.10
	CH1 - CH12	≤1.15

Environmental Specification

Installation Temperature	-40°C to +60°C
Operating Temperature	-45°C to +85°C
RoHS	Compliant

Standard Conditions

Attenuation, Ambient Temperature (VSWR 1.0)	20°C
Average Power, Ambient Temperature (VSWR 1.0)	40°C
Average Power, Inner Conductor Temperature	115°C

Mechanical Specification

Min. bending radius (single)	500 mm
Min. bending radius (multiple)	1200 mm
Number of bends, minimum	15

Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Recommended Power(kW)
1.6065	0.036	200
108	0.305	60
223	0.416	40

*Maximum attenuation value shall be 105% of the nominal attenuation value.

Marking on cable

PROSE _ PAIRCC50E-5 _ 50Ω _ _ _ _ (DD+MM+SS+YY+NNNNN) _ _ _ _ XXXXm
Remark1: Printing Interval: 1m, within ±0.5% accuracy.
Remark2: (DD+MM+SS+YY+NNNNN) means cable code.
Remark3: XXXXm means cable meter.

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.