

Coaxial Cable RTK057e

50 Ohm Coaxial Feeder Cable, 0 – 6000 MHz

MIC360^o
IN-BUILDING COMPONENTS by MIC



- Foam Dielectric Coaxial Cable
- Size: 5,7 mm
- Impedance: 50 ohm
- Flame retardant and Halogen free
- CPR rating: Eca

Electrical Specification		
Product number		420 001 002
Impedance	Ω	50 \pm 2
Capacitance	pF/m	82
Inductance	μ H/m	0.19
Propagation velocity	%	82
DC breakdown voltage	kV	4
Max operating frequency	GHz	8.8
Cut-off frequency	GHz	8.8
Insulation resistance	M Ω km	>10000
Environmental Specification		
2011/65EU (RoHS)		Compliant
EN50575 CPR Class		Eca
Operating temperature	$^{\circ}$ C	-30 to +80
Mechanical Specification		
Outer conductor		Braided tinned Copper
Inner conductor		Silver-coated Copper
Jacket material		Thermoplastic copolymer
Dielectric material		Foam PE
Diameter over jacket	mm	5.7 \pm 0.2
Diameter over outer conductor	mm	4.6
Diameter over dielectric	mm	3.75
Diameter over inner conductor	mm	1.4
Min. bending radius, single	mm	22
Min. bending radius, multiple	mm	43
Return loss (30 – 2000 MHz)	dB	\geq 23
Return loss (2000 – 6000 MHz)	dB	\geq 20

MIC Nordic reserves the right to change this product specification at any time without notice.

Transmission properties

Frequency (MHz)	Attenuation (dB/100m)	Average Power (kW)
30	5	1253
200	13	475
500	21	295
1000	31	204
2200	48	133
3000	60	112
6000	90	76

Values at 20°C (power: 40°C) ambient temperature

