

**COAXIAL ANTENNA**

**TYPE** RFXT 7/8"-50 MGHF NK code: NKRFXT07806  
RFXT 7/8"-50 MBHF NKRFXT07807

**CONSTRUCTION**



Inner conductor	Copper tube	Ø 9.0 mm
Dielectric	Cellular polyethylene	Ø 23.2 mm
Outer conductor	Copper tape with periodic slots	Ø 23.5 mm
Fire barrier	Mica tape insulation	Ø 23.7 mm
Sheath	See table below	Ø 28.7 mm
Marking	NK Cables, cable type, manufacture week, year, batch number and meter mark	

**ELECTRICAL CHARACTERISTICS at +20°C**

Characteristic impedance	50 ± 2 Ω	
Typical return loss (VSWR) on effective frequency range	18 dB (1.29)	
Velocity factor	0.88	
Capacitance	76 pF/m	
Cut-off frequency	5300 MHz	
DC-resistance		
- inner conductor	1.04 Ω/km	
- outer conductor	1.48 Ω/km	
Attenuation measured according to IEC 61196-4 free space method.		
at 75 MHz		
at 150 "	1.9 dB/100m	
at 450 "	3.2 "	
at 900 "	5.0 "	
at 1.8 GHz	8.0 "	
at 2.2 "		
at 2.4 "		
Coupling loss measured according to IEC 61196-4 free space method.		
	<u>50% value</u>	<u>95% value</u>
at 75 MHz		
at 150 "	58 dB	68 dB
at 450 "	64 "	77 "
at 900 "	64 "	77 "
at 1.8 GHz	70 "	80 "
at 2.2 "		
at 2.4 "		

**MECHANICAL CHARACTERISTICS**

Weight	750 kg/km
Maximum pulling force	2300 N
Minimum single bending radius	400 mm
Operating temperature range	-55...+80°C

**JACKETING OPTIONS**

TYPE	JACKET	IEC 60754 -1/-2 Halogen free, non corrosive	IEC 61034 low smoke emission	IEC 60332-3C fire retardant	UV retardancy	Min. installation temperature
RFXT 7/8"-50 MGHF	Grey, halogen free fire retardant thermoplastic	Yes	yes	yes	no	-5°C
RFXT 7/8"-50 MBHF	Black, halogen free fire retardant thermoplastic	Yes	yes	yes	yes	-5°C