

## RADIATING COAXIAL CABLE

**TYPE** RFX 7/8"-50  
RFX 7/8"-50 GHF  
RFX 7/8"-50 BHF

## CONSTRUCTION



Inner conductor	Copper tube	Ø 9.0 mm
Dielectric	Three layer polyethylene insulation solid/foam/solid	Ø 22.2 mm
Outer conductor	Corrugated and slotted copper tube	Ø 24.9 mm
Sheath	See table below	Ø 27.5 mm
Marking	ΩHMAX, manufacturer's name, cable type, manufacture week, year and metre mark	

## ELECTRICAL CHARACTERISTICS at +20°C

Characteristic impedance	50 ± 2 Ω	
Velocity factor	0.88	
Capacitance	76 pF/m	
Attenuation measured according to IEC 1196-4 free space method.		
at 150 MHz	1.9 dB/100m	
at 450 "	3.3 "	
at 900 "	4.9 "	
at 1.8 GHz	7.3 "	
at 2.2 "	8.2 "	
Coupling loss measured according to IEC 1196-4 free space method, antenna perpendicular to the radiating cable. 1.8 GHz values measured with horn antenna.		
	<u>50% value</u>	<u>95% value</u>
at 150 MHz	67 dB	77 dB
at 450 "	70 "	80 "
at 900 "	73 "	82 "
at 1.8 GHz	77 "	88 "
at 2.2 "	75 "	87 "

## MECHANICAL CHARACTERISTICS

Weight	550 kg/km
Maximum pulling force	1800 N
Minimum single bending radius	250 mm
Operating temperature range	-40...+70°C

## JACKETING OPTIONS

<u>TYPE</u>	<u>Jacket</u>	<u>IEC 60754 -1/-2</u> halogen free, not corrosive	<u>IEC 61034</u> low smoke emission	<u>IEC 60332-1</u> fire retardant	<u>UV retardancy</u>	<u>Min. installation temperature</u>
RFX 7/8"-50	Black HD polyethylene	yes	no	no	yes	-20°C
RFX 7/8"-50 GHF	Grey,halogen free fire retardant thermoplastic	yes	yes	yes	no	-5°C
RFX 7/8"-50 BHF	Black,halogen free fire retardant thermoplastic	yes	yes	yes	yes	-5°C