

RADIATING COAXIAL CABLE

TYPE **RF2X 1/2"-50**
RF2X 1/2"-50 GHF
RF2X 1/2"-50 BHF

CONSTRUCTION



Inner conductor	Copper wire	Ø 4.8 mm
Dielectric	Three layer polyethylene insulation solid/foam/solid	Ø 12.1 mm
Outer conductor	Corrugated and slotted copper tube, slots on both sides of the cable	Ø 13.6 mm
Sheath	See table below	Ø 16.0 mm
Marking	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		4.7 dB/100m
at 450 "		7.7 "
at 900 "		10.8 "
at 1.8 GHz		15.7 "
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	78 dB
at 450 "	65 "	73 "
at 900 "	66 "	76 "
at 1.8 GHz	72 "	82 "

MECHANICAL CHARACTERISTICS

Weight	350 kg/km
Maximum pulling force	1000 N
Minimum single bending radius	125 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 60332-3C</u> fire retardant	<u>UV retardancy</u>	<u>Min. installation temperature</u>
RF2X 1/2"-50	Black HD polyethylene	yes	no	no	Yes	-20°C
RF2X 1/2"-50 GHF	Grey, halogen free fire retardant thermoplastic	yes	yes	yes	No	-5°C
RF2X 1/2"-50 BHF	Black, halogen free fire retardant thermoplastic	yes	yes	yes	Yes	-5°C