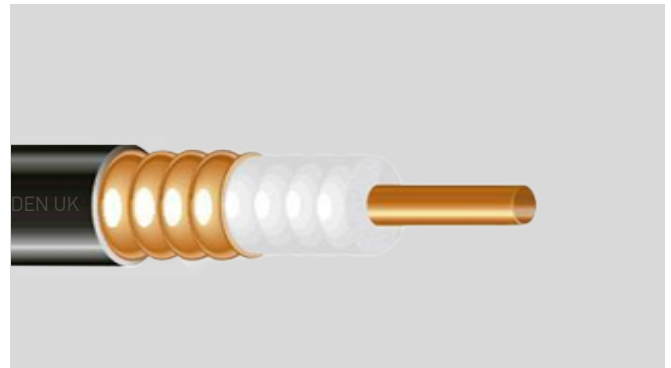


7/8" RF FEEDER LEAKY CABLE

Norden 7/8" Foam Dielectric Corrugated Leaky Cable is a type of RF coaxial cable which has slots in its outer conductor to allow the radio signal to leak into or out of the cable along its entire length so the cable functioning as extended antennas. It is suitable for wireless communication in narrow or long, curvy surroundings, such as mining, in buildings, tunnels, subways, high-speed trains, etc.



CABLE CONSTRUCTION

Inner Conductor

Copper Tube

Insulation Color

Neutral

Outer Jacket

Halogen Free UV-Resistant PE

Insulation

Polyolefin

Outer Conductor

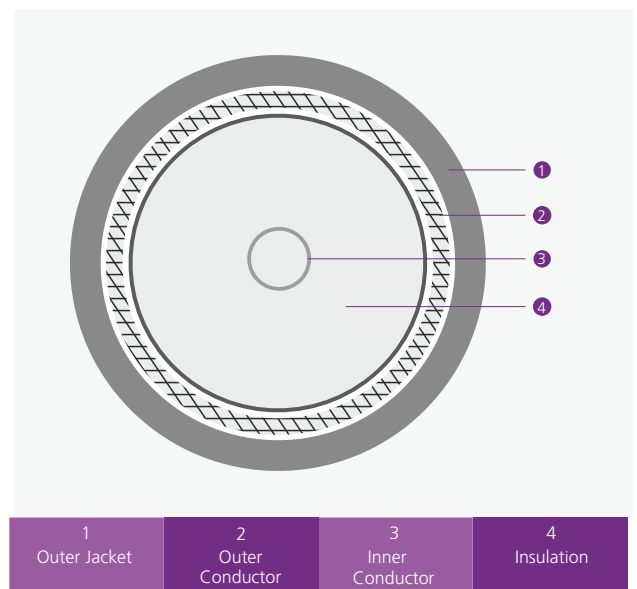
Corrugated Copper Tube

PHYSICAL CHARACTERISTICS

Characteristic	Value
Inner Conductor Diameter	9.00±0.05mm
Insulation Diameter	22.60±0.20mm
Outer Conductor Diameter	24.90±0.15mm
Outer Jacket Thickness	1.10 mm
Outer Jacket Diameter	27.50±0.25mm
Tensile strength	≤1500N
Min. bending radius allowed	Repeated 275mm, single 140mm
Installation Temperature	-20°C to +60°C
Storage Temperature	-20°C to +70°C
Operation Temperature	-20°C to +70°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value	
Characteristic Impedance	Ω	50±2.0	
Capacitance	pF/m	76	
Velocity of Propagation	%	88	
Insulation Resistance	MΩ.km	10000	
RF Peak Voltage	kV	3.0	
RF Peak Power	kW	90	
Dielectric Strength	kV	10.0	
Jacket Spark Test	kV	8.0	
Voltage Standing Wave Ratio	100~200	Mhz	≤1.25
	320~480		
	690~810		



7/8" RF FEEDER LEAKY CABLE



PERFORMANCE CHARACTERISTICS

Frequency (MHz)	Attenuation (dB/100m)	Coupling Loss 95% (± 10 dB)
150	1.8	78
450	3.3	86
800	4.6	86

ORDERING INFORMATION

Part Number	Description
450-03NE0J	7/8" RF Feeder Leaky Cable 50 Ohm Halogen Free UV resistant PE