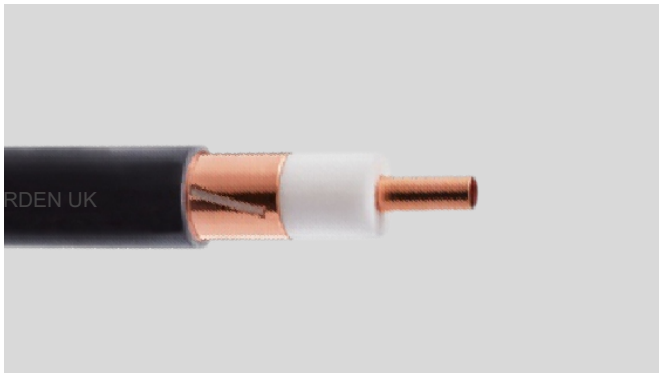
7/8" RF FEEDER LEAKY CABLE

NORDEN®

Norden 7/8" Foam Dielectric Overlapping Copper Foil Leaky Cable is a type of RF coaxial cable which 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
Foam Polyethylene

Insulation Color
Neutral

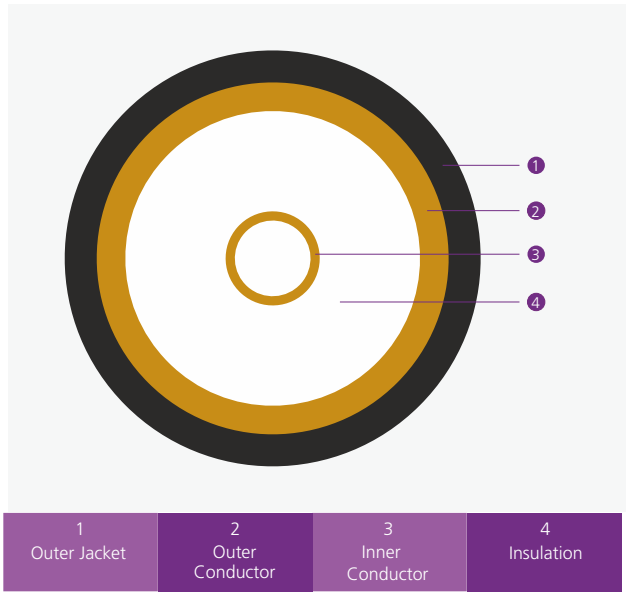
Outer Conductor
Overlapping Copper Foil

Outer Jacket
Halogen Free UV-Resistant PE /
Low Smoke Halogen-free Fire-retardant

Standard Compliance
Fire Retardancy Test Method IEC 60332-1-2
Smoke Index Test Method IEC 61034
Toxicity Index Test Method IEC 60754-1 | IEC 60754-2
Attenuation Test Method IEC 61196-4

PHYSICAL CHARACTERISTICS

Characteristic	Value
Inner Conductor Diameter	9.40mm
Insulation Diameter	22.80mm
Outer Conductor Diameter	23.50mm
Outer Jacket Diameter	27.20mm
Tensile strength	≤1500N
Min. bending radius allowed	Repeated 500mm, single 250mm
Installation Temperature	-40°C to +80°C
Storage Temperature	-55°C to +85°C
Operation Temperature	-55°C to +85°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
Inner Conductor DC Resistance		Ω/km	2.30
Outer Conductor DC Resistance		Ω/km	3.60
Insulation Voltage		KV	10.0
Jacket Spark Test		KV	8.0
Operating Frequency Band		Mhz	5~1000
Voltage Standing Wave Ratio	75~150	Mhz	≤1.25
	350~470		
	790~960		

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PERFORMANCE CHARACTERISTICS

Frequency (MHz)	Attenuation (dB/100m)	Coupling Loss(2m) 95% (dB)
75	1.30	70
100	1.60	66
150	1.80	73
350	3.00	65
450	3.30	70
700	4.30	66
800	4.60	62
900	5.00	61
960	5.30	60

ORDERING INFORMATION

Part Number	Description
450-03NE0J	7/8" RF Feeder Leaky Cable 50 Ohm Halogen Free UV Resistant PE
450-03NE0H	7/8" RF Feeder Leaky cable 50 Ohm FR-LSZH