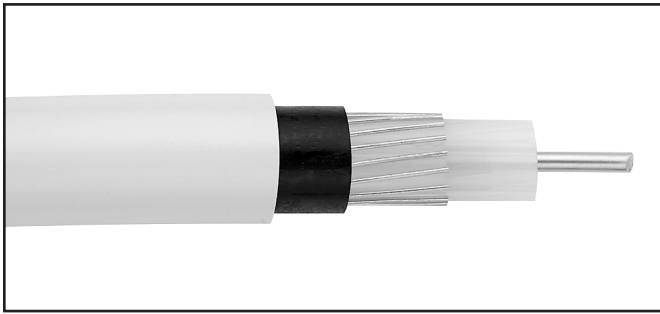


Leaky Feeder Cables



Thermax Leaky Feeder cable works like an antenna, enabling reliable transmission of data to and from places where radio wave cannot reach.

These cables are ideal for communications or data-transmission applications in such demanding environments as:

- Steel-frame buildings;
- Underground mines;
- Transportation tunnels;
- Railway lines;
- Highway and rail bridges;
- Cargo ships.

The cables shown below are typical constructions; please contact your Thermax representative with your specific requirements.

Approvals

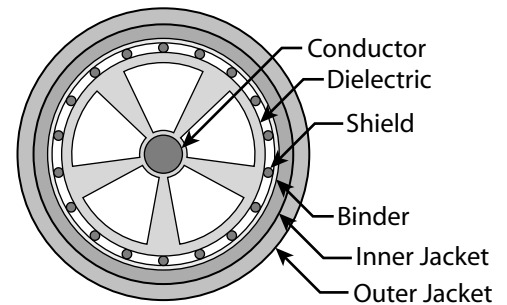
75-ohm: U.S. Department of Labor, Mine Safety and Health Administration Approval #7K-SC-265072-MSHA; Pennsylvania Department of Environmental Protection, Bureau of Deep Mine Safety Approval # P-7K-SC-265072-MSHA.

50-ohm: UL Listed Power Limited Circuit Cable Type CL2P.

75-Ohm Double-Jacketed Leaky Feeder Coaxial Cable

Construction Details

- Conductor:** Solid annealed BC, .092 (2.33) diameter.
Dielectric: Semi-air-spaced polyolefin, .396 (10.06) diameter.
Shield: Spirally-wrapped solid annealed BC wires, each .6 mm diameter.
Binder: Adhesive polyester tape wrap.
Inner Jacket: Black polyolefin, .533 (13.53) diameter.
Outer Jacket: Yellow PVC, .627 (15.93) diameter.
Temperature rating: 75° C.



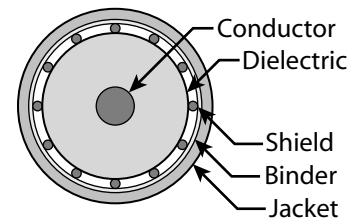
Electrical Performance

Impedance	Velocity of Propagation	Capacitance (pF/ft)	Attenuation @160 MHz		Attenuation @486 MHz	
			dB/100 ft.	dB/100 meters	dB/100 ft.	dB/100 meters
75 ±3.0 ohms	84%	16.1	1.31	4.3	3.18	10.43

50-Ohm Plenum Leaky Feeder Coaxial Cable

Construction Details

- Conductor:** Solid annealed BC, .092 (2.33) diameter.
Dielectric: Foamed fluoropolymer, .240 (6.10) diameter.
Shield: Spirally-wrapped solid annealed BC wires, each .6 mm diameter.
Binder: Adhesive polyester tape wrap.
Jacket: Yellow PVDF, .340 (8.64) diameter.
Temperature rating: 125° C.



Electrical Performance

Impedance	Velocity of Propagation	Capacitance (pF/ft)	Attenuation @160 MHz		Attenuation @486 MHz	
			dB/100 ft.	dB/100 meters	dB/100 ft.	dB/100 meters
50 ±3.0 ohms	81%	25.0	2.3	7.5	4.9	16.0

Dimensions in inches (mm). All values are nominal unless otherwise indicated. **BC:** Bare Copper.