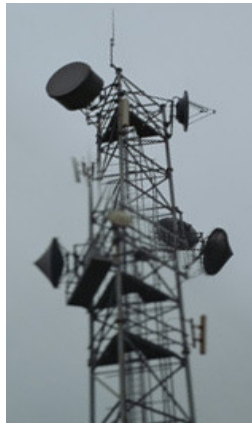


HiVeC® HIGH VELOCITY PTFE DIELECTRIC CORE WIRE

Markel HiVeC® Coax Core consists of porous PTFE dielectric over solid or stranded conductor. The density of the dielectric can be varied to provide velocities of propagation up to 90% and dielectric constants to as low as 1.24. Continuous production processes result in long, splice-free, lengths.

APPLICATIONS

Markel HiVeC® Coax Core allows cable designers to meet the demanding performance characteristics needed in extreme high frequency military, aerospace, communications and testing applications.



SIZE RANGE CURRENTLY AVAILABLE

Conductor Size Range: AWG 24 to 10
 Dielectric Diameter Range: 0.060”(1.524 mm) to .260”(6.604 mm)

KEY FEATURES

- Longer Lengths Available Compared to Stretched PTFE Tape Wrapped Core
- Markel HiVeC® Coax Core Offers the Highest VoP of any Polymeric Dielectric
- Flatter Phase vs. Temperature Profile When Compared to Conventional PTFE analogs
- Easier to Connect When Compared to a Stretched PTFE Tape Wrapped Dielectric Construction
- Lower Yield Losses During Subsequent Cable Assembly Construction
- Longer Lengths Possible when Working with Rigid or Semi-Rigid Shielded Cables.

Dielectric	Dielectric Constant	Velocity of Propagation
PTFE	2.1	69
Marlon® Low Density Core	1.65	77
Toughskin®	1.7	76
HiVeC®	1.24-1.64	78-90
Marlon®, Toughskin® and HiVeC® are registered trademarks of Markel Corporation		

All materials of construction are warranted to meet specification and certified to be made from top quality resins without PFOA surfactant