

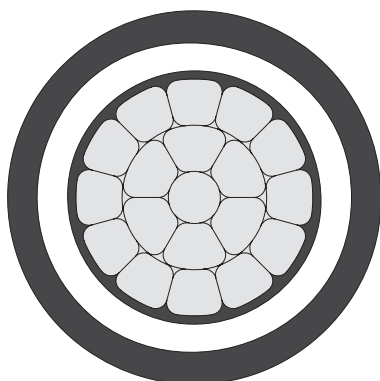
69kV Transmission Spacer Cable System

Description:

The Hendrix 69kV Transmission Spacer Cable System was developed to provide solutions to utility and industrial problems such as limitations on right of way, tree trimming and electrical clearance to buildings and structures. This unique system utilizes a messenger and polyethylene spacers to support heavily covered conductors in a close, triangular configuration. Like lower voltage Hendrix Spacer Cable Systems, 69kV systems have the mechanical strength to weather severe storms and the electrical strength to prevent faults due to phase to ground or phase to phase contact. All 69kV spacer cable circuits are custom-designed by Hendrix to meet customer requirements.

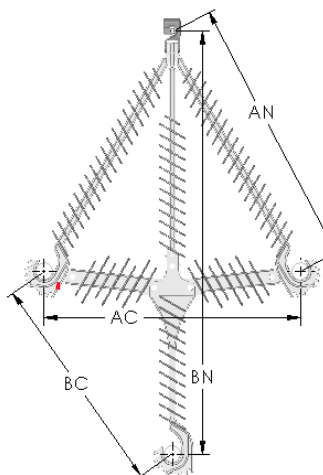


Conductors:

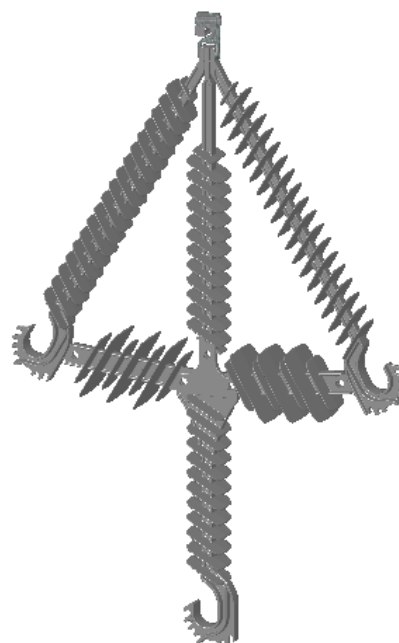


- .020" black, semi-conducting conductor shield
- .250" natural low density polyethylene for high dielectric strength and strippability
- .250" outer layer of proprietary, black or gray, high density polyethylene for resistance to tracking, abrasion and ultraviolet degradation
- Compact stranded 1350-H19 All Aluminum Conductors
- Hendrix will provide a design to meet a utility's electrical load requirements

Spacers:



- Supports conductors and maintains phase spacing
- Proprietary, gray, track resistant, high density polyethylene
- Provides high strength and flexibility under dynamic loading
- Ultraviolet resistance has been proven for 30 years
- Track resistant compound does not support current flow on the surface
- Long leakage distance and self washing shed design allow operation even with contamination
- Highly resistant to shock, impact and rifle fire
- Spacers are installed at 30 foot intervals



Catalog Number	Dimension (inches)				Minimum Leakage Distance (in)	Max. Messenger Diameter (in)	Max. Conductor Diameter (in)	Short Circuit Rating (kA)*	Weight (lbs)
	BN	AN	BC	AC					
H-69DM	56 ³ / ₈	36 ¹ / ₄	30	34 ¹ / ₄	80	.750	2.25	30	13.3

*Contact Hendrix if project requires a higher rating.

continued

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Benefits:

The 69kV spacer cable system is a further extension of Hendrix' many years of experience and expertise (since 1951) in the design and manufacture of spacer cable systems. Developed in 1995, the 69kV system has been installed and tested in the field and laboratory. The operating and test results have been excellent, and they confirm the viability of the system and its components. Ideal for utility and industrial projects, the system offers the following benefits:

- Compact design provides solutions in congested areas
- Reduced Right of Way costs
- Reduced tree trimming costs
- Reduced outage repair costs, lost revenue, customer complaints
- Reduced electrical clearance requirements to buildings and structures
- Improved service reliability in heavily treed and contaminated areas
- Unique spacer design provides high system short circuit rating
- Close, triangular configuration minimizes voltage drop
- Easy to install using Hendrix installation equipment and "Roll-By" method

The application of spacer cable on 69kV circuits requires close attention to circuit design and installation. Accordingly, Hendrix engineers work closely with each prospective customer at the project planning stage and at every stage of the design/build process in order to assure a thoroughly satisfactory result.

At no charge, Hendrix application engineers provide recommended circuit designs, bills of material and cost estimates at the project planning and design stages. Also at no charge, Hendrix customer service engineers furnish jobsite training and advisory services prior to and during installation of the system.

Elsewhere in Section A1 of this catalog, Hendrix design and installation services are described more fully. Please contact your Hendrix sales representative to request engineering assistance on 69kV projects.

