

HFI 90 H

-60°C +105°C

HFI 90 L

-60°C +90°C

HFI 90 H is a low cost insulation with very good mechanical and electrical properties making it ideal for use in data cables (twisted pairs and coaxials). HFI 90 H is the preferred option for multicores and will be more commonly used for data-pairs. HFI 90 H is halogen free but is not flame retardant. Although HFI 90 H has mixed chemical resistance properties, it is one of the best options for use in water.

HFI 90 L is a low cost insulation with very good mechanical and electrical properties making it ideal for use in data cables (twisted pairs and coaxials). As one of the purest materials available, HFI 90 L is the preferred option for coaxial dielectrics. HFI 90 L is halogen free but is not flame retardant. Although HFI 90 L has mixed chemical resistance properties, it is one of the best options for use in water.

Electrical

Properties	Method	Conditions	Value
Dielectric constant	IEC 60250	1 MHz	2.29
Dielectric strength	IEC 60243-1	-	22 kV/mm
Dissipation factor	IEC 60250	1 MHz	0.0008
Volume resistivity	Internal	25° C 90 °C	10 ¹⁶ Ω x cm 10 ¹⁵ Ω x cm

Application chart



USE
Insulation Good
Inner jacket Good
Outer jacket Poor

Important: IMCAVI has compiled the information contained herein from what it believes to be accurate and factual sources as of the date printed. Data is based on typical values and might vary depending on cable construction and processing method. Any changes in the data will be made without notification.

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