

HFI 150

-60° C +135° C

Intended for use in nuclear applications

HFI 150 was developed primarily for the nuclear industry and exhibits excellent radiation resistance. Despite being a relatively thin-wall material it can be processed up to quite large sizes (50mm²). HFI 150 is a Halogen Free Flame Retardant (HFFR) material with good all-round mechanical performance and a reasonably wide temperature range.

Electrical

Properties	Method	Conditions	Value
Dielectric constant	ASTM D 150	0.1 kHz 10 MHz	3.0 2.7
Dielectric strength	ASTM D 149	In air: 3.2 mm In oil: 3.2 mm	16.0 kV/cm 16.2 kV/cm
Dissipation factor	ASTM D 150	0.1 kHz 10 MHz	0.01 0.03
Volume resistivity	Internal	25 °C 90 °C	10 ¹⁶ Ω x cm 10 ¹⁴ Ω x cm

Application chart



USE
Insulation Good
Inner jacket Average
Outer jacket Average

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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