

HFS 100

-25° C +85° C

Intended for general use

-25° C +80° C

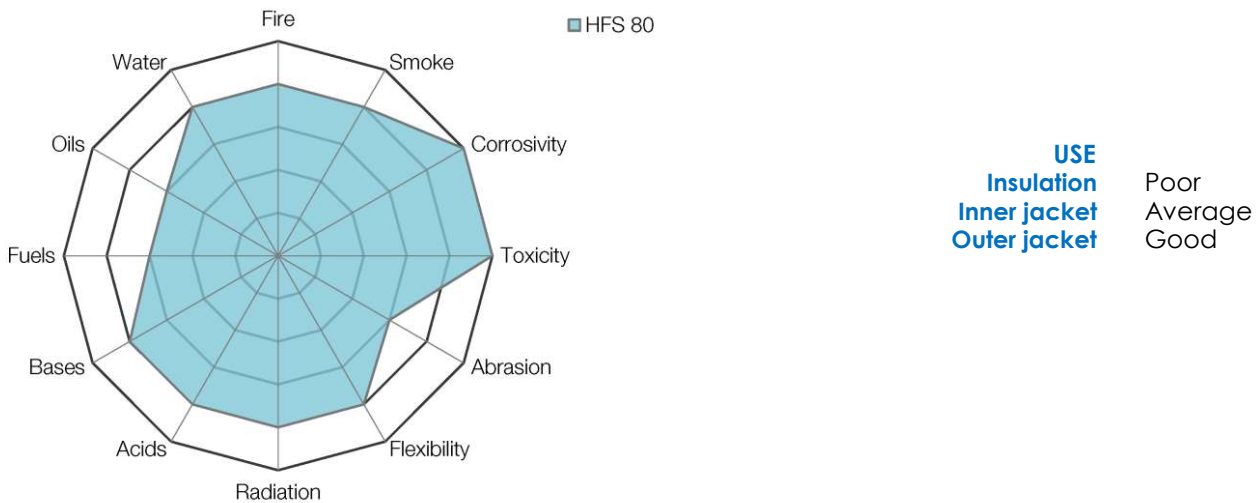
Intended for nuclear applications

HFS 100 is Habia Cable's preferred general-purpose material. It has excellent radiation, water and oil resistance, but HFS 100's greatest strength is in its mechanical properties where it is very tough and has both excellent flexibility and flex-life making it ideal for use in dynamic applications. In addition, HFS 100 is halogen free (to IEC 60754-1) and is moderately flame retardant, further increasing the range of applications in which it can be used. It also has a very good memory and moulding characteristics, making it easy to form into spiral cables and ideally suited for use with molded connector back shells.

Electrical

Properties	Method	Conditions	Value
Dielectric constant	IEC 60250 (80)	50 kHz (80-80N)	3.6 (80)
	ASTM D150 (80N)		3,8 (80N)
Dielectric strength	-	-	-
Dissipation factor	ASTM D150 (80N)	50 Hz	0,014
Volume resistivity	IEC 60167 (80)	-	10 ¹⁴ Ω x cm (80)
	ASTM D 257		10 ¹³ Ω x cm (80N)

Application chart



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.

DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use.

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