

## HFS 80 T / W

Intended for use in telecoms applications

Electrical			
Properties	Method	Conditions	Value
Dielectric constant	ASTM D 150	50 Hz	3.75
Dielectric strength	-	-	-
Dissipation factor	ASTM D 150	50 Hz	0.014
Volume resistivity	ASTM D 257	-	10 <sup>13</sup> Ω x cm

Physical			
Properties	Method	Conditions	Value
Density	ASTM D 792	-	1.50 g/cm <sup>3</sup>
Elongation at break	IEC 60811-501	50 mm/min	155 %
Hardness	ASTM D 2240	-	55 D
Radiation resistance	IEC 60544	-	10 <sup>15</sup> Gy
Tensile strength	IEC 60811-501	50 mm/min	10.5 MPa
Water absorption	-	-	-

Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	IEC 60754-2	pH Conductivity	4.5 90 μS/cm
Continuous temperature rating	-	-	-
Flammability	UL 94	0.5 mm	V-0
Flame propagation	-	-	-
Oxygen index	ISO 4589-2	-	36 %
Smoke density	ASTM E 662	1.5 mm flaming 1.5 mm non-flaming	90 199
Smoke index	Def Stan 02-711	per 100g	15
Temperature index	Def Stan 02-715	-	330 °C
Toxicity index	Def Stan 02-713	-	0.8

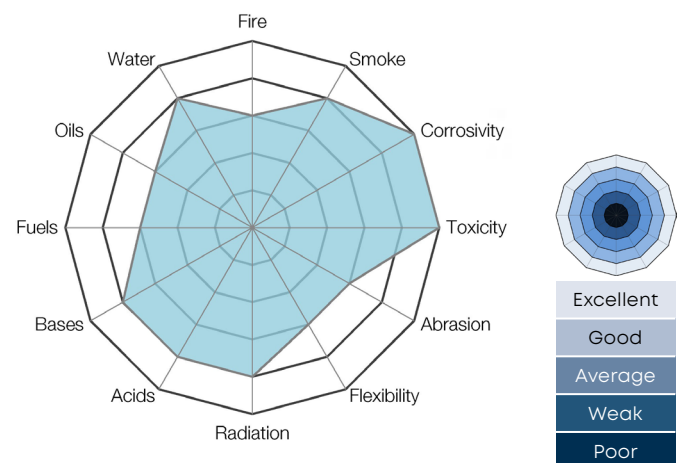
### Properties

HFS 80 T is Habia Cable's preferred material for telecoms applications. It shares many of the Low Smoke, Zero Halogen (LSZH) properties of HFS 80, but with improved UV resistance, allowing it to be used in external applications.

Although it is not quite flame retardant to the high standard set by HFS 80, it is still a highly flame retardant material that can pass some of the toughest tests in the industry.

With reasonable mechanical and chemical properties, HFS 80 T is ideally suited to a wide range of applications.

Important: Habia Cable 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.



Available colours (shades may vary from material to material)



Characteristics and key properties

Intended use Small / Inner sheath	Intended use Outer sheath					Temp installation <b>-40°C</b>	Temp low <b>-25°C</b>	Temp >20,000 hrs <b>+70°C</b>	Temp peak <b>+80°C</b>
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