Habia Cable

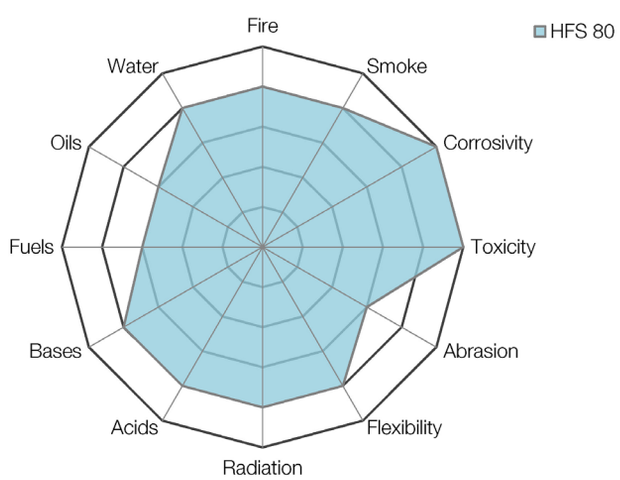
HFS 80 // W

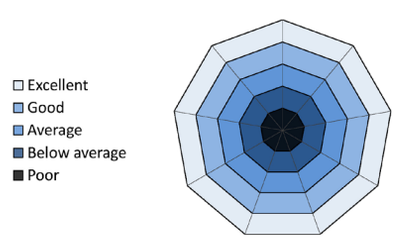
Intended for general use

Electrical			
Properties	Method	Conditions	Value
Dielectric constant	IEC 60250	50 kHz	3.6
Dielectric strength	-	-	-
Dissipation factor	-	-	-
Volume resistivity	IEC 60167	-	10^14 Ω x cm

Physical			
Properties	Method	Conditions	Value
Density	-	-	-
Elongation at break	IEC 60811-501	50 mm/min	120 %
Hardness	ASTM D 2240	-	62 D
Radiation resistance	IEC 60544	-	10^6 Gy
Tensile strength	IEC 60811-501	50 mm/min	9 MPa
Water absorption	-	-	-

Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	IEC 60754-2	pH Conductivity	4.8 90 µS/cm
Continuous temperature rating	IEC 60216	20,000 hrs	+ 70 °C
Flammability	UL 94	0.5 mm	V-0
Flame propagation	IEC 60332-1-2 IEC 60332-3-24 (Cat C)	Dependent on cable design Dependent on cable design	Pass Pass
Oxygen index	ISO 4589-2	-	40 %
Smoke density	ASTM E 662	1.5 mm flaming 1.5 mm non-flaming	90 175
Smoke index	-	-	-
Temperature index	Def Stan 02-715	-	280 °C
Toxicity index	Def Stan 02-713	-	1.8





Available colours (shades may vary from material to material)											
Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Pink	-

Characteristics and key properties

HFS 80 is Habia Cable's preferred material for Low Smoke, Zero Halogen (LSZH) and Flame Retardant (FR) applications. Although it has a narrower temperature range than most materials, it has reasonable mechanical and chemical properties and outstanding fire, smoke and toxicity performance that has been tested to - and passed - some of the most stringent industry standards in the world making it ideal for use in indoor, populated areas, such as underground platforms and stations. It will also pass the requirements of IEC 60092: SHF 1 providing certain design criteria are met (pressure-extruded wall of suitable thickness).

+80°C
High temp

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.

Small / Inner sheath	Outer sheath	-25°C Low temp