

FPI 260 A // H-A

Intended for general use

Electrical

-200°C to +260°C

Insulation, inner and outer sheath			
Properties	Method	Conditions	Value
Dielectric constant	ASTM D 150	0.1 kHz 100 MHz	2.1 2.1
Dielectric strength	ASTM D 149	0.25 mm film 3.2 mm sheet	> 80 kV/mm 20 kV/mm
Dissipation factor	ASTM D 150	0.1 kHz 100 MHz	0.0001 0.0003
Volume resistivity	Internal	+90 °C	10 ¹⁶ Ω x cm

Physical

Properties	Method	Conditions	Value
Continuous temperature rating	IEC 60216	20,000 hrs	+ 260 °C
Density	ASTM D 792	-	2.15 g/cm ³
Elongation at break	IEC 60811-501	50 mm/min	200 %
Hardness	ASTM D 2240	-	60 D
Radiation resistance	IEC 60544	-	10 ⁴ Gy
Temperature range	Internal	Minimum Maximum	- 200 °C + 260 °C
Tensile strength	IEC 60811-1-1	50 mm/min	22 MPa
Water absorption	ASTM D 570	25 °C	< 0.03 %

Thermal

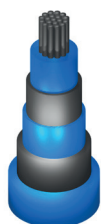
Properties	Method	Conditions	Value
Combustion corrosivity	DIN 57472-813	pH Conductivity	2.3 2700 μS/cm
Flammability	UL 94	1.6 mm	V-0
Flame propagation	-	-	-
Oxygen index	ASTM D 2863	-	> 95 %
Smoke density	ASTM E 662	Flaming Non-flaming	< 10 < 10
Smoke index	-	-	-
Temperature index	Def Stan 02-715	-	> 400 °C
Toxicity index	-	-	-

FPI 260 A has some of the best electrical properties available. Coupled with very good chemical properties; excellent fluid resistance and the ability to be processed with all standard copper conductors, only its relatively high cost prevents it from being more widely used. Although halogenated, it is highly flame retardant and generates very little smoke under fire conditions. FPI 260 A exhibits very low out-gassing.

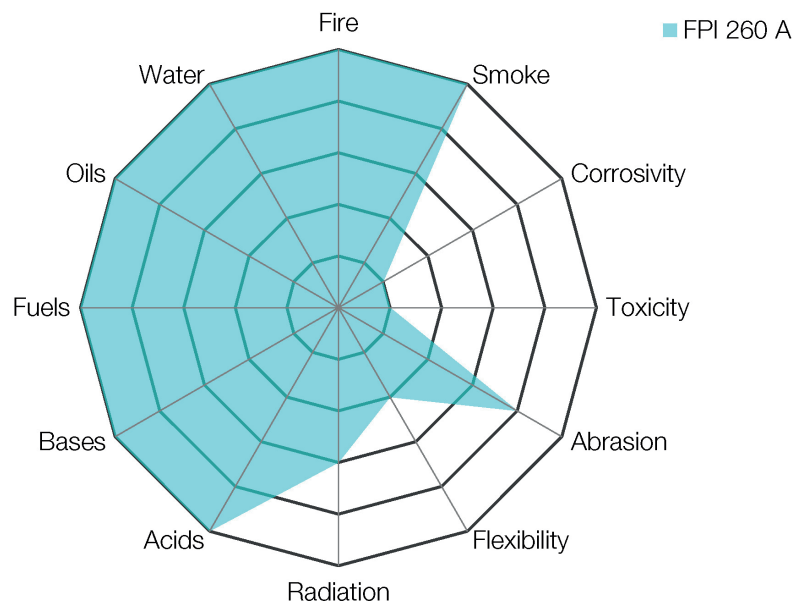
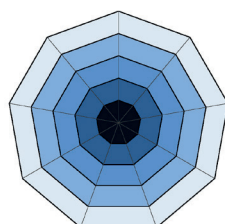
Available colours			
Shades may vary from material to material			
Black	Brown	Red	Orange
Yellow	Green	Blue	Violet
Grey	White	Pink	Natural

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.

Use	Spider-graph key
Insulation	
Inner sheath	
Outer sheath	



- Excellent
- Good
- Average
- Below average
- Poor



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