

LSI 155 / F

Intended for use in defence applications

Electrical			
Properties	Method	Conditions	Value
Dielectric constant	ASTM D 150	0.1 kHz 10 MHz	2.6 2.6
Dielectric strength	ASTM D 149	0.25 mm film 3.2 mm sheet	80 kV/mm 16 kV/mm
Dissipation factor	ASTM D 150	0.1 kHz 10 MHz	0.001 0.004
Volume resistivity	ASTM D 257	-	10 ¹⁶ Ω x cm

Physical			
Properties	Method	Conditions	Value
Density	ASTM D 792	-	1.85 g/cm ³
Elongation at break	-	-	-
Hardness	ASTM D 2240	-	67 D
Radiation resistance	IEC 60544	-	10 ¹⁵ Gy
Tensile strength	-	-	-
Water absorption	ASTM D 570	-	< 0.01%

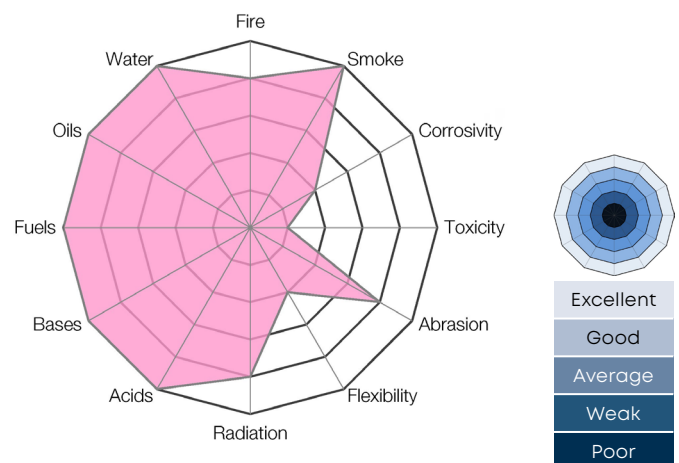
Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	DIN 57472-813	pH Conductivity	2.6 2700 μS/cm
Continuous temperature rating	BS 3G 230 Test 20	50,000 hrs	+150 °C
Flammability	UL 94	1.6 mm	V-0
Flame propagation	-	-	-
Oxygen index	ASTM D 2863	-	34
Smoke density	-	-	-
Smoke index	Def Stan 61-12 Part 0	per m wire	1
Temperature index	Def Stan 02-715	-	290 °C
Toxicity index	Def Stan 61-12 Part 0	per m wire	5

Properties

LSI 155 is a cross-linked material with outstanding physical and mechanical properties, particularly abrasion and cut-through resistance.

Offers excellent flex-life and fire resistance and un-surpassed chemical resistance properties.

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 Insulation	Intended use Small / Inner sheath	Intended use Outer sheath					Temp installation -100°C	Temp low -65°C	Temp >20,000 hrs +150°C	Temp peak +155°C
----------------------------	--------------------------------------	------------------------------	--	--	--	--	------------------------------------	--------------------------	-----------------------------------	----------------------------

DISCLAIMER: This document and its content remain the property of Habia Cable. It may not be used, copied or provided to any other party than the intended recipient, without prior written permission from Habia Cable. The product shown is intended for professional use and is subject to the user's own evaluation for any particular purpose. Information provided indicates nominal, indicative values and cannot be considered a binding representation or warranty for products and their use. Information is considered valid at the time of publication and is subject to change without notice.