## incite fire

### HFTE2 HALOGEN FREE HFT Pipe



### **Features**

- Environmentally friendly -Green Star Rated
- Suited for ASD Smoke Detection System
- Medium Duty (Grey)
- · Can be produced in any colour (subject to quantities)
- In accordance with AS/NZS 2053-UL 94-HB
- High chemical resistance
- Operating temp -40°C to 110°C
- Suitable for outdoor use

### Description

The plastic for use in the production of Halogen-free conduit contains no chlorines or heavy metals and thus offers decisive advantages over conventional systems.

· Provides significant environmental features compared to PVC

• No Corrosive or acidic gas formation in fire situations and no secondary damages to electronic equipment, machines and buildings

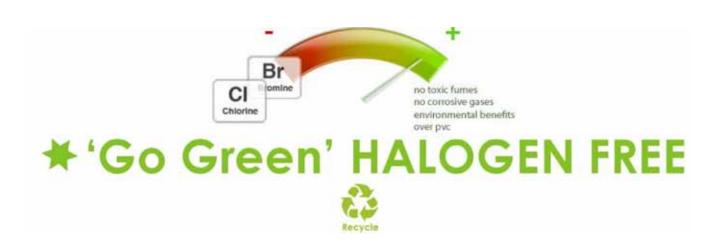
• No aggressive fumes which endanger the lives of humans and ani-mals

Available with or without "Air Sampling" markings

• Reduced smoke density, giving better visibility at fire exits & for rescue team

#### **Technical Specifications** Part code HFTE2 Length 4 metre Outside diameter 25mm Inside diameter 21.4mm -40°C to 110°C Temperature Range Standard colour Light grey HFTDP8010 solvent Joining Adhesive (NOT PVC glue)

· Available with or without "Air Sampling" markings



# incite fire

MATERIAL PROPERTIES	VALUE	UNIT	TEST METHOD
Density	0.9	g/cm <sup>3</sup>	ASTM D792
Flexural Modulus	14,000	kg/cm <sup>2</sup>	ASTM D790
Elongation at Break	>500	%	ASTM D638
IZOD Impact Strength (Notched, 23°C)	>50	kg-cm/cm	ASTM D256
Rockwell Hardness	85	R Scale	ASTM D785
Tensile Strength at Yield	240	kg/cm <sup>2</sup>	ASTM D638
Halogen Content	0	%	Ion Chromatography
UV Resistance ( Black )	>50	years	
UV Resistance ( Grey )	5-10	years	
Thermal Conductivity at -20°C	0.24	W/m K	
Co-efficient of Thermal Expansion	0.15	mm/m/ºC	
FIRE BEHAVIOUR			
Flame Retardancy	VO		UL 94
Flame Retardancy	32	%	L.O.I.
Smoke Characteristics	1-2	Indice	AS/NZS 1530.3:1999
PERFORMANCE			
Max. Working Temperature	105	°C	
Min. Working Temperature	-20	°C	
JOINING METHOD			
Adhesive	>2.3	MPa	
STANDARDS COMPLIANCE			
AS / NZS 1345 "Content Identification"			
AS / NZS 2053 "Conduits & Fittings"			

# incite fire

BS / EN 61386-21 " Conduit Systems"		
IEC 60423 "Conduit Systems"		
ISO9001:2008 Quality Management		
ISO14001:2004 Environmental Management		