

**Product Specification:**

# HeatStream™ DUCT

**Description:**

HeatStream™ Duct and Accessories are high strength fabric products for portable heating in high pressure industrial applications (especially in fire hazard locations). Manufactured with two of our proprietary fabrics, these ducts and accessories are assembled with wire helix reinforcement and heavy duty abrasion resistant wearstrip. This custom construction provides exceptional durability and strength for extreme applications.

**Diameter Range:** 12" to 36" (305mm to 914mm).

**Standard Diameters:** 16.5" (419mm).

25ft (7.6M) – Custom lengths available upon request.

**Wire Pitch:** 9" pitch (23cm).

**Wearstrip:** Heavy duty extruded profile.

Silicone coated fiberglass and Reinforced flame resistant polyester textile with urethane topcoat (see fabric specification below).

**Stitching:** Lock-stitch sewn construction. Seams for accessories are reinforced with additional fabric webbing.

**Colors (Exterior/Interior):** Yellow/Grey or Black/Red

**Standard End Finish:** Extended Double Encased End Rings / alternative options available upon request.

**Operating Temperature:** -65 to +500°F (-53 to 260°C) / Exceptional cold-weather flexing and compatible with limited dexterity related to mittens and inserts worn by persons setting up.

**Flame Resistance:** Silicone – Passes FTMS 191A/M5903-1 / Inherently flame resistant and developed for Oil & Gas hazards.  
 FR Polyester – Passes NFPA 701(small scale), EN533 and NFPA 705

**Fabric Specification:**

<u>Detail:</u>	<u>Test Method</u>	<u>Results</u>	<u>Results</u>
Coating Type		Urethane Topcoat Cover	Silicone Coating
Colour – Face/Back		Yellow/Yellow, Black/Black	Gray/Gray
Weight – oz/yd <sup>2</sup>	ASTM D751	8.5	16.5
Base Fabric Construction		Standard Weave	Satin Weave
Type		FR Polyester	Fiberglass
2" Strip Tensile – lbf (warp x fill)	ASTM D751-00	488 x 302	826 x 701
Grab Tensile – lbf (warp x fill)	ASTM D751-00	485 x 315	370 x 273
Trapezoid Tear – lbf (warp x fill)	ASTM D751-00	49 x 21	178 x 119
Puncture Resistance - lbs	ASTM D751-00	54	42
Taber Abrasion Resistance (H-18/500g)	ASTM D3884	3000 cycles	485 cycles
Flame Test	FTMS 191A/M5903-1	Pass (flame out in 1 second or less)	Pass (flame out in 1 second or less)

The test information is based on Engineered Performance™ Ducting or Supplier and Industry test methods and is accurate to the best of our knowledge. Single values are typical and no value should be interpreted as a specification or released in whole or in part without the prior authorization from Engineered Performance™ Ducting