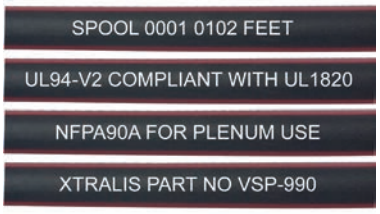
VESDA-E VEA
Microbore Tubes and Fittings



Microbore Tube

Tube Reel

Reducer

Straight Union

RA Joiner

Blanking Plug

VESDA-E VEA microbore tubes are custom made, high quality plenum rated flame retardant polyethylene tubes. They have superior stress crack resistance for reliable long-term performance. They are lightweight and flexible for easy handling and installation and marked with a white ink numbering system over the full length of the tubing. The numbering system includes individual unique identification of each tube and distance marking at regular intervals making them very efficient to install and keep clean installation records.

These tubes come in black colour with red stripes for use in smoke detection and meet requirements of global installation codes.These tubes have no active components and they eliminate the need for any electrical wiring for smoke detection resulting in fast and easy installation without the need to follow electrical codes.

It is important to use VESDA-E VEA microbore tubes with the VESDA-E VEA detectors to maintain their smoke detection performance. These tubes come in two different diameters, 6mm and 4mm. For more informaiton on tube usage, refer to VESDA-E VEA Product Guides (documents: 27034 and 27035) and VEA Microbore Tube Length Calculator (document: 29262).

VEA micrbore tube fittings comprise of straight unions and other types of joiners and 6mm to 4mm adaptors for easy installations, blanking plugs are used to block the unused ports on VEA.

Features

- Plenum rated
- Flame retardant
- High quality ploye thylene material
- Stress crack resistant
- Unique ID
- Distance marking at regular intervals
- Meets requirements of global installation codes

Listings / Approvals

- UL 1820
- NFPA 90A
- EN 54-20:2006 (clause 5.7)
- BS EN 61386-1:2007 (clauses 10.2, 10.3 and 12.2)

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Specifications

Tube Sizes: **(**6mm OD x 4mm ID), (4mm OD x 2.5mm ID)

Nominal Pipe Properites	Unit	Test Method	Value
Density	gms/cm^3	ASTM D792	0.99
Melt Index (190 °C / 2.4 kg)	gms / 10 minutes	ASTM D1238	0.3

Nominal Material Properites	Unit	Test Method	Value
Tensile Strength at Yield	psi	ASTM D638	>2000
Resistance to compression	-	EN 61386-1 (10.2)	Class 1
Flame Propagation	ft	UL 1820	<5
Average Optical Density Index	-	UL 1820	<0.15
Vertical Burn Rating	-	UL 94	≤V2
Stress Crack Resistance	hrs	ASTM D1693	>200
Resistance to impact	-	EN 61386-1 (10.3)	Class 1
Temperature range	-	EN 61386-1 (12.2)	Class 31

Ordering Information

VESDA-E VEA 6mm Microbore Tube UL-compliant Plenum-rated (1000 ft)	VSP-990
VESDA-E VEA 4mm Microbore Tube UL-compliant Plenum-rated (500 ft)	VSP-991
VESDA-E VEA 6mm Blanking Plug (pack of 50)	VSP-998
VESDA-E VEA 6mm to 4mm Reducer (pack of 10)	VSP-1000
VESDA-E VEA 6mm to 6mm Straight Union (pack of 10)	VSP-1001
VESDA-E VEA 4mm to 4mm Straight Union (pack of 10)	VSP-1002
VESDA-E VEA 6mm to 6mm RA Joiner (pack of 10)	VSP-1003
VESDA-E VEA 4mm to 4mm RA Joiner (pack of 10)	VSP-1004

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