

## Heat Protection Tube

# FITCO®Therm V

FITCO®Therm V sleeving is constructed of braided fiberglass with a saturated coating which adds rigidity to the product and reduces the likelihood of end fray. The stiff coating also results in a sleeving that is easy to apply over long length applications and is resistant to mechanical abrasion. FITCO®Therm V withstands exposure to long-term heat to 538°C.

FITCO®Therm V sleeving provides excellent heat protection for hoses, wire harnesses and cables. FITCO®Therm V is available in a variety of grades, offering industrial users the option of selecting combination of properties best suited to their specific application.

<b>Operating temperature:</b>	-70°C to +538°C
<b>Softening point:</b>	+730°C
<b>Melting point:</b>	+1120°C
<b>Standard color:</b>	Black, Silver Other colors on request



Description	ID*	Max. flange perimeter	Wall thickness	Expanded AD (max.)	Range of Use Recommended OD Tube/Hose
<b>Types without ribs</b>	<b>mm</b>	<b>mm</b>	<b>inches</b>	<b>mm</b>	<b>mm</b>
FITCO Therm V-M-430	6.3	15	0.040 ±0.005	9.5	6.3 to 8.0
FITCO Therm V-502	10.0	47	0.043 ±0.005	16.0	10.0 to 13.0
FITCO Therm V-501	12.7	69	0.046 ±0.005	24.0	13.0 to 21.0
FITCO Therm V-801	16.0	73	0.046 ±0.005	25.4	16.0 to 22.0
FITCO Therm V-701	19.0	92	0.046 ±0.005	32.0	20.0 to 28.0
FITCO Therm V-301	20.0	106	0.046 ±0.005	37.0	22.0 to 34.0
FITCO Therm V-307	19.0	125	0.046 ±0.005	41.0	21.0 to 38.0
FITCO Therm V-206	22.0	173	0.043 ±0.005	60.0	24.0 to 56.0
FITCO Therm V-309	23.5	185	0.060 ±0.005	64.0	25.0 to 60.0
FITCO Therm V-302	23.5	109	0.057 ±0.005	38.0	25.0 to 34.0
FITCO Therm V-211	28.5	202	0.055 ±0.005	70.0	30.0 to 65.0
<b>Types with ribs</b>	<b>mm</b>	<b>mm</b>	<b>inches</b>	<b>mm</b>	<b>Number of ribs</b>
FITCO Therm V-511	13.00	73	0.050 ±0.005	23.00	4
FITCO Therm V-M-1028	19.00	202	0.058 ±0.005	70.00	8
FITCO Therm V-402	20.00	109	0.048 ±0.005	38.00	6
FITCO Therm V-415	23.00	182	0.059 ±0.005	63.00	8
FITCO Therm V-M-722	33.30	248	0.072 ±0.005	86.00	12
FITCO Therm V-205	30.10	294	0.068 ±0.005	101.60	6
FITCO Therm V-M-1111	38.10	476	0.087 ±0.005	165.10	12

\* Other sizes on request

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### Performance Data:

The standard product meets the requirements of ESE-M12G17-B {Ford} "Sleeving, glass fiber - Thermal insulating", and ESE-M12G17-C {Ford} "Sleeving, glass fiber - Thermal insulating - spiral air gap.

Properties	Test Method	Value
Flammability	ASTM D 350, Method B	Self-extinguishing
Color Retention	Internal test method M-FPM 28	Black coating tube stable 150°C (302°F) after 100 hours
Test Temperature	Internal test method M-FPM 30	Basic insulation unaffected indefinitely at 250°C (482°F) for 400 hours
Thermal Resistance	Internal test method M-FPM 30	Basic insulation unaffected for short periods (1 hour), resist higher temperature up to 760°C (1400°F)

### Special finishing:

Dipped ends for extra fray protection, and slits, holes for sensor tubes. And sleeve end terminations such as clamps or crimped ferrules. These terminations eliminate end fray and offer a professional appearance.

### Typical Applications:

Are designed to provide thermal insulation and mechanical protection for EGR and thermactor tubes, wire harnesses and cables, fuel, brake and hydraulic lines and industrial hoses.

### Packaging:

FITCO®Therm V is available in inner diameter sizes ranging from 1/2" to 1-1/4", typically cut to length for each application. Also available on spools supplied in 25, 50 75 or 100, 200, 300, 400 foot.

### Key Benefits:

- No end fray
- Attractive appearance