



Cool-Skin™ Sleeve

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Designed to significantly reduce heat losses of hot flexible metal hoses while dropping the surface temperature to a safe touch condition, *Cool-Skin™* is an ideal insulation and safety solution for a variety of high temperature applications. *Cool-Skin™* Sleeve is manufactured to fit over hot process pipes, steam/electrical tracers, heating tapes, flexible metal hoses and other equipment.

- Cool-Skin™* Technology
- Leading the way in user friendly thermal insulation/safety protection, *Cool-Skin™* products are manufactured using flexible, clean, non-fibrous materials that do not contain fiberglass or release airborne particulates. Perfect for use in a variety of environments from heavy industrial applications to clean-room and laboratory settings.
 - Equipped with a hook and loop self-gripping closure, *Cool-Skin™* Sleeve is easily field-installed (or removed for maintenance) without line disconnection.
 - *Cool-Skin™* Sleeve is easily cut to length in the field using an ordinary pair of scissors without "end fray" or releasing irritating fiber particulates - typically indicative of dated technology that uses glass as the insulating medium.
 - *Cool-Skin™* Sleeve is resistant to moisture, UV, corona, ozone, oxidation, cosmic radiation, ionizing radiation, chemicals, etc. and exhibits considerable overall durability in a variety of environments.
 - *Cool-Skin™* sleeve is manufactured with a bright safety yellow or orange color designed to alert personnel to potential danger.

Dimensional Data Available in standard 1/4" (6mm) wall thickness to fit pipe diameters sizes from 1/2 " (13mm) to 10"(245mm) and is supplied in standard continuous lengths of 33ft (10m). Other sizes can be manufactured to your specification.

Temperature Rated from -112°F (-80°C) to 392°F (200°C) continuous.

Thermal Conductivity 0.44 BTU-in/ft²/°F or .064 W/m/K

Environmental Resistance Excellent resistance to ozone, oxidization, UV, corona, cosmic radiation, ionising radiation and weathering in general.

Flammability Meet the flammability requirements of FAR 25.853 (a) (1) (IV) and (a) (1) (v) horizontal flammability tests.

Radiation resistance > 10⁵ Grays (10⁷ Rads) Typical
Dielectric Strength 23kV.mm⁻¹
Dissipation Factor
 @ 50 c/s 3 x 10⁻⁴
Volume Resistivity 3 x 10¹⁵ Ω.cm
Density 250+/- 40 kg/mtr³
Compression Stress
 40% Strain 90kPa
Tensile Strength 1.2N/mm²
Elongation to failure 200%



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