

**TECHNICAL UPDATE - TU-5016**

**SUBJECT: Weather Resistance of Flame Retardant PVC Jacketing Material**

There have been concerns raised about the ability of the FR-PVC jackets on Unitherm Traced Tubing Bundles to withstand the effects of sunlight and other environmental factors.

The flame retardant PVC material used in Unitherm bundles is a weather resistant PVC compound meeting the aging requirements called out in UL Publication 62 and the Specification for weather resistant cable jackets in ICEA 61-402.

This material is compounded with 2% carbon black to provide additional UV stability.

This jacket material has an excellent track record in areas of harsh sunlight such as the Gulf Coast of the United States, Venezuela, Saudi Arabia, Mexico and the Pacific Rim. Some bundles have been in place for over 20 years with no cracking or crazing from the intense sun.

It has also stood the test against the vapors, chemicals and pollutants found in chemical plants and refineries, pulp and paper mills and power plants; heavy rain, dry and moist climates and rapid changes in temperature.

We feel that this material has proven itself in the toughest test - the real world.