

Umbilicals for RATA Testing

DEKORON®
Unitherm™
Tubing Bundle Experts Since 1962

RATA testing services require an umbilical tough enough to handle repeated installation and removal without loss of heater or sample line integrity as the operator moves from site to site.

Dekorun Unitherm answer this need with products like our *D.E.T.Line™* and *StackTuff™* RATA umbilicals. These umbilicals are designed to be rugged, lightweight, and very flexible. Abrasion resistant outer jackets and replaceable tube ends are just two of the many features of these designs.

Application:

- RATA testing applications requiring flexibility, light weight and an umbilical designed for repeated coiling and uncoiling.

Sample and auxiliary tubing material:

- Virgin PFA and PTFE fluoropolymers

Thermal Insulation:

- High efficiency, aerogel thermal insulation.
- Flexible fiberglass composite thermal insulation

Outer jacket materials:

- Lead-free UV Stabilized flexible DSJM polymer
- Halogen free UV Stabilized thermoplastic polyurethane
- Flexible corrugated PA abrasion-resistant outer sleeve

Heating Cables

Insulated series resistance heating wire sized for the length and voltage specified.

D.E.T.Line™
Umbilical
designed for
Stationary
RICE testing



StackTuff™
umbilical
designed for
general RATA
testing service



End Fittings:

- Standard compression unions
- Stainless steel or fluoropolymer replaceable tube stubs
- Bare or braided fluoropolymer tubing
- Custom end treatments available

Auxiliary Items:

- Single or multiple temperature sensors
- J and K thermocouple or Pt100 2 or 3 wire RTD
- Shielded sensor cables
- Fluoropolymer insulated power leads
- Communications cables
- Fiber Optic cables
- Internal support cable for vertical installations

For more information see:

[links to other pages](#)

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