



UNIVERSAL

TECHNICAL INFORMATION

UNIVERSAL is designed to address the problems related to the installation of power, telephone, and fiber optic telephone cables. It eliminates up to 80% of friction; its potential applications are in the same fields as have already been solved by lubricants in the same series engineered and produced by **UPCOM**

UNIVERSAL is also suitable to reduce the friction during duct laying. It's allow to reduce dramatically the friction during duct installation.

Appearance: The product is a **thin white gel**; the water and glycol in the gelatin act as lubricants as well as vehicles for other specific lubricants which act along the way. Easy to apply, the gel facilitates its spreading on cables to be installed vertically, without any dripping or loss of lubricant.

Traditional use: Apply the gel with a sponge onto the cable; install the cable. The water will evaporate, leaving a layer of lubricant on the cable.

The lubricant layer will stay on for a very long time, facilitating replacement or introduction of other cables in the same duct.

Use with compressed-air cable laying equipment: Whenever a fiber optic cable is to be laid in plastic ducts, using automatic compressed-air cable laying equipment, **UNIVERSAL** can be used to pre-lubricate the duct.

Introduce the appropriate amount of **UNIVERSAL** in the duct, use air to drive it inside, spread the gel by introducing a sponge ball and drive the latter it inside with air. The sponge will spread the product evenly; the water evaporates, leaving a very thin layer of lubricant on the duct walls. Amount required to pre-lubricate 1,000 meters of duct: approx. 500 to 1,000 grams.

No glue effect (the glue effect occurs when, once the water evaporates, the gel turns into glue, causing all the cables to stick to each other).

UNIVERSAL is a non-toxic, inert, bio-degradable, non-flammable product.

TECHNICAL SPECIFICATIONS

Appearance	Cod. VGELWM 5 - 10 - 20 - 25 white none
Odor	2.000 ± 100 cps
Viscosity	gr/cm ³ 1
Specific gravity	7 neutral
pH	-10 - +50°C non-
Use temperature	toxic
Toxicity	1 (according to 2000 German and British
WGK	standards)

PACKAGING:

Cod. VGELWM 1

Cardboard box containing 1 kg. Bottles 15 units
Kg 5 - 10 - 20 - 25 cans