



DESIGNATION : IBTC TUBE 3422

Insulated, Bendable, Transversally Elastic, Corrugated Conduit System Manufactured and marketed by GALION SA under the brand name **KRAVEL**

CODE OF THE FIRST 4 DIGITS OF THE CLASSIFICATION

First digit: Crush Resistance		Second digit: impact resistance		Third digit: minimum temperature for use and installation		Fourth digit: maximum temperature for use and installation	
1 Very Light	125 N	1 Very Light	0.5 J	1	+ 5°C	1	60°C
2 Light	320 N	2 Light	1 J	2	- 5° C	2	90°C
3 Average	750 N	3 Average	2 J	3	-15° C	3	105°C
4 High	1250 N	4 High	6 J	4	-25° C	4	120°C
5 Very High	4000 N	5 Very High	20 J	5	-45° C	5	150°C

SCOPE OF APPLICATION:

Designed for the protection of electrical installations, whether surface-mounted or embedded within buildings. The **IBTC 3422** range can also comply with IEC 68-2-5 standards, guaranteeing resistance to solar radiation exposure when used outdoors.

***Upon client request**

DIMENSIONS

⌀ Exterior (mm)	Tolerance (mm)	⌀ Interior (mm)	Tolerance (mm)
16	-0.3	11	±0.3
20	-0.3	14	±0.4
25	-0.4	19	±0.4
32	-0.4	25	±0.4

NT CERTIFICATION NUMBER: 139

REFERENCE STANDARDS: _____

The **IBTC 3422** range is a premium quality range manufactured according to the provisions of Tunisian standards NT 87.169-1 (2010) and NT 87.169-22 (2007), as well as the provisions of European standards IEC 61386-1 (2008) and IEC 61386-225 (2004).

MATERIAL: Polyolefin

COLOR: Gray with colored identification bands according to diameters (20, 25, and 32).

MECHANICAL PROPERTIES:

- Crushing resistance: **750 N at 23°C (±2°C)**
- Impact resistance: **6 J at -5°C**

ELECTRICAL PROPERTIES:

- Dielectric strength: **2000V-50Hz for 15 minutes**
- Insulation resistance: **> 100 MΩ under a continuous voltage of 500V**

THERMAL PROPERTIES:

- Flame propagation resistance: Non-flame propagator: **1 Kw** burner test.
- TMinimum installation and operating temperature: **-5°C.**
- Maximum installation and operating temperature: **+ 90 °C.**

ESEALING: IP 44 equivalent

IK : 08

IDENTIFICATION :

Each roll is identified by a label indicating:

- Commercial designation
- Conduit diameter
- Manufacturing order number (OF)
- Coil length
- Production date
- Production team ID

TRACEABILITY:

Every 2 meters of each roll have a laser imprint indicating:

- Manufacturing date
- Manufacturing order number
- Production team ID

PACKAGING:

The **IBTC 3422** tubes are marketed in coils of 100 meters.

 GALION SA au capital de 20 000 000 DT-Route de Fouchana-Chebedda 1135 Naâssen-Tunis-TUNISIE