



## Convolex

### Lightweight, flexible, convoluted tubing

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Convolex\* non heat-shrinkable tubing is manufactured from radiation cross-linked Polyvinylidene fluoride. It forms the basis of a total harnessing system, comprising strain tape, terminations and Tyco Electronics Raychem branded heat-shrinkable moulded parts. Convolex tubing offers good resistance to mechanical damage in the form of abrasion resistance and high crush strength, whilst being extremely light. It has an operating temperature range from -55°C to +150°C and is available in a wide range of sizes.

#### Key Features:

- Operating temperature range -55°C to +150°C
- Highly flame retarded
- Harnessing conduit with annular convolutions
- Non heat-shrinkable

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### Typical data

### Specifications

Tyco Electronics Raychem RK 6048

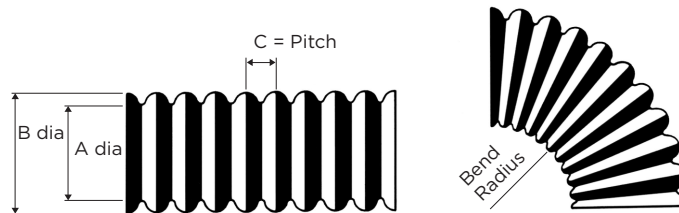
### Ordering Information

The size of tubing chosen must have an internal diameter which is a minimum of 30% larger than the wire bundle to be covered in order to facilitate installation and retain flexibility

Standard length      Supplied on spools

Colour      Black (-0)

### Dimensions



| Ordering description | Internal diameter | Outside diameter | Pitch   | Wall thickness | Bend radius | Spool quantity | Weight |
|----------------------|-------------------|------------------|---------|----------------|-------------|----------------|--------|
|                      | A (min)           | B (max)          | C (nom) | (nom)          | (nom)       | m              | g/m    |
| Convolex 9/32 - 0    | 6.0               | 10.6             | 3.3     | 0.33           | 32.0        | 60             | 24     |
| Convolex 3/8 - 0     | 8.3               | 13.2             | 3.3     | 0.33           | 38.0        | 60             | 31     |
| Convolex 7/16 - 0    | 10.1              | 15.2             | 3.8     | 0.38           | 44.0        | 60             | 35     |
| Convolex 1/2 - 0     | 11.4              | 16.8             | 3.8     | 0.38           | 51.0        | 30             | 42     |
| Convolex 5/8 - 0     | 14.5              | 19.8             | 3.8     | 0.38           | 64.0        | 30             | 58     |
| Convolex 3/4 - 0     | 17.5              | 23.9             | 4.2     | 0.38           | 76.0        | 30             | 71     |
| Convolex 7/8 - 0     | 20.5              | 27.4             | 4.2     | 0.38           | 89.0        | 30             | 87     |
| Convolex 1 - 0       | 23.6              | 30.5             | 3.8     | 0.38           | 102.0       | 30             | 92     |
| Convolex 1 1/4 - 0   | 30.0              | 36.6             | 3.8     | 0.46           | 114.0       | 20             | 150    |
| Convolex 1 5/8 - 0   | 39.6              | 47.0             | 3.8     | 0.51           | 150.0       | 20             | 215    |

#### \*Raychem, Convolex, Tyco Electronics and TE logo are trademarks

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