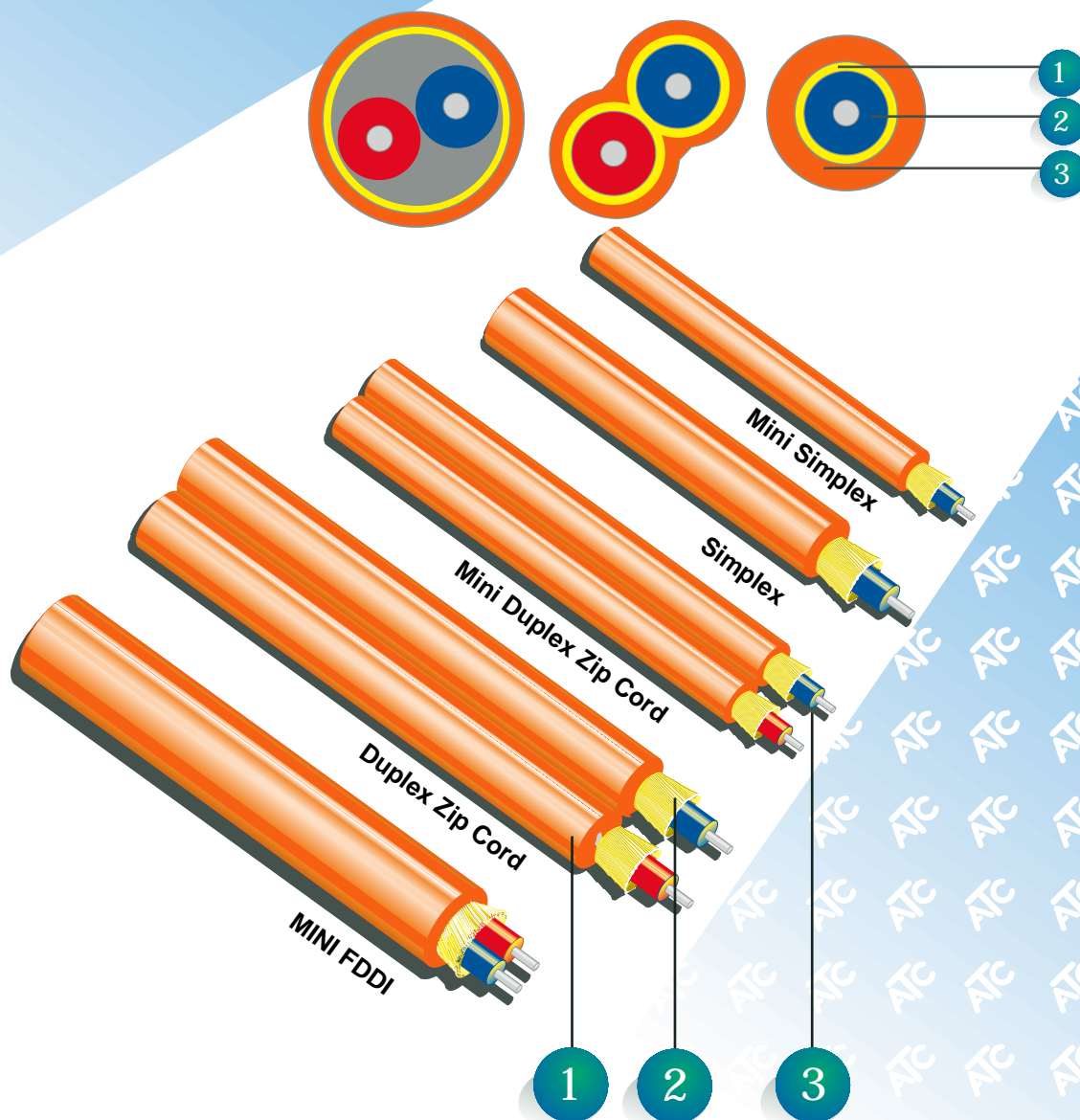


# RUGGEDISED ASSEMBLY CABLES

(Tight buffered cable for tails/patch cables/jumper cables)



## Cable Description

1. PVC/LSZH sheath.
2. Aramid strength member.
3. Easy strip tight buffered fibre.

INDOOR  
OPTICAL  
FIBRE  
CABLE



# RUGGEDISED ASSEMBLY CABLES

(Tight buffered cable for tails/patch cables/jumper cables)

## Product features

- The ATC “ruggedised” series are tight buffered cables, specifically designed for tails and patch cords, but are also ideal for indoor distribution in trunking and risers.
- The flat twin (or 2 fibre breakout cable) will tolerate short distance duct installation if care is taken not to exceed its maximum short term load.
- The cables are small, flexible and lightweight, yet remain exceptionally robust and can tolerate small bend radii, to promote ease of installation.
- The fibres are protected by a tough, easy strip, tight buffered nylon jacket or secondary coat.
- Buffer diameter is 900 microns for multimode fibre and 850 microns for single mode fibre.
- The cables are available in either flame retardant PVC or Low Smoke Zero Halogen (LSZH), fire retardant, non toxic sheaths to comply with the strictest building regulations.
- The fibres in the zip cord and FDDI duplex, as well as the inner sheaths of the flat twin, are individually coloured for easy identification.
- Other standard sizes are also available on request.

## Typical properties

|  | Mini Simplex | Simplex | Mini Duplex Zip Cord | Duplex Zip Cord | Mini-FDDI |
|--|--------------|---------|----------------------|-----------------|-----------|
| • Cable diameter (mm )                         | 1.6&2.0      | 2.8     | 2.0 x 2              | 2.8 x 2         | 2.80-3.0  |
| • Cable weight (kg/km)                         | 3.2&3.6      | 9.1     | 13.0                 | 20.8            | 7.1       |
| • Maximum tensile load - Short term(N)         | 100          | 150     | 130                  | 300             | 200       |
| • Maximum tensile load - Long term(N)          | 49           | 75      | 68                   | 150             | 49        |
| • Minimum bend radius (mm)                     | 50           | 50      | 50                   | 50              | 50        |
| • Crush resistance (N)(via 50 x 50 plate)      | 500          | 500     | 500                  | 500             | 500       |
| • Impact resistance (2 Nm blows / 25 mm anvil) | 1            | 2       | 1                    | 2               | 2         |
| • Temperature range (C°)                       | -10/+40      | -10/+40 | -10/+40              | -10/+40         | -10/+40   |

All cable weights are based on LSZH sheaths

Note:

\* Short term load is the load at which the fibre strain is less than one third of the fibre proof strain level.

\*\* Long term load is the load at which no fibre strain occurs.



DATA SHEET: RUG/02  
ISSUE DATE: 01/02/01

Every effort has been made to ensure that the information given in this leaflet is correct. The company reserves the right to make alterations and amendments to the detailed specification at its discretion. ATC (Pty) Ltd disclaims responsibility for all actions, proceedings, liabilities, claims, damages, cost, losses and expenses in relation to, or arising out of incorrect utilisation of this information.

ATC (Pty) Ltd. P O Box 663, Brits 0250, South Africa.

Local enquiries:

Tel: (012) 381-1400

Fax: (012) 250-3412

E-mail: sales@atc-cable.co.za

Tel: (011) 314-1819

Fax: (011) 314-1833

E-mail: industrial@atc-cable.co.za

www.atc-cable.co.za

International enquiries:

Tel: +27 12 381-1400

Fax: +27 12 250-2072.

E-mail: exports@atc-cable.co.za