

# Fibre Optic Micro Cables For Blown Laying (GCYFZY)

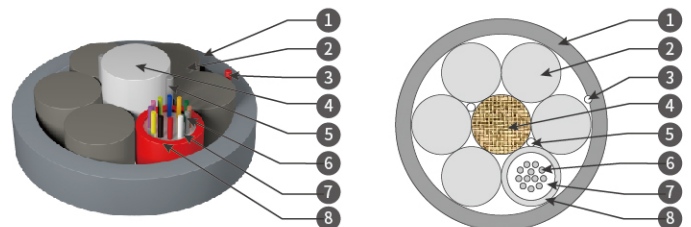


Optical fibres are housed in loose tubes that are made of high-modulus plastic and filled with tube filling compound. The tubes (and fillers) are stranded around a non-metallic central strength member and surrounded with dry water-blocking material to form a cable core. A thin outer green (RAL 6018) or gray (RAL 7001) LSZH (low smoke zero halogen) sheath is extruded outside the core.

## Features

- Small size and light weight
- Low smoke emission rates and halogen-free
- Tube filling compound providing key protection for fibres
- High fibre density, allowing full use of duct holes
- Allowing to blow by phases to reduce initial investment
- Allowing to blow out and replace with new cables to keep technical superiority
- Avoiding destructive excavations and no need to pay high fees for deploying permission, applicable for constructions in crowded metropolitan area networks
- Allowing to cut micro ducts anywhere anytime for branch without influences on other cables, saving manholes, hand holes and cable joints
- The cables of this specification, intended for internal laying will be classified for reaction to fire with Euroclass Cca-s1b, d1, a1 according to the tests indicated in CEI EN 50575

- ① LSZH sheath
- ② Filler
- ③ Ripcord
- ④ Central strength member
- ⑤ Water blocking yarn
- ⑥ Fibre
- ⑦ Tube filling compound
- ⑧ Loose tube



# Fibre Optic Micro Cables For Blown Laying (GCYFZY)

## Technical Characteristics

Type	Maximum O.D. (mm)	Maximum weight (kg/km)	Tensile load (N)	Crushing (N/100mm)	Impact (J, 3 impacts, R = 300 mm)	Number of tubes/fibre count per tube
GCYFZY-12F	8.4	75	600	1000	3	1/12
GCYFZY-24F	8.4	75	600	1000	3	2/12

F: fibre, including single mode optical fibre G.652.D or G.657.A1 or A2.

## Environmental Characteristics

- Transport/storage temperature: -30°C to +60°C

## Applications

- The cable can be used as the drop cable of feeder segments in FTTH networks and can be laid by air blowing to connect the branch point with the access point for subscribers. The cable is also applicable in metropolitan area networks and access networks

## Delivery Length

- Standard length: 2,000m; other lengths are also available