

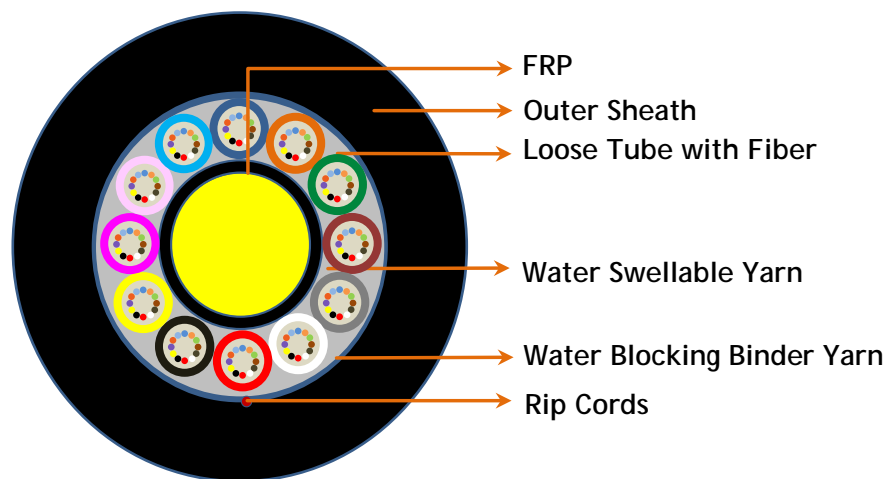
# Micro-Duct Cables

## Construction Details

Micro Duct cables are small in Diameter suitable for duct applications. This cable is stranded Loose tube cable with Optic fibres are placed inside the robust buffer tube. Stranded around the fibre reinforced plastic (FRP) central strength member with water swellable thread and Binder yarns. The cable core surrounded with HDPE/Nylon jacket with ripcords.

## Product Applications

These cables are typically used for Access / Metro and (Air Blown) Drop Cabling for FTTx Networks. Micro cables can utilise existing and new duct systems more effectively by accommodating more fibres in given sub duct network.



## Features

- As Comparing to Conventional cables micro cable diameter is less and thereby reducing installation costs.
- Maximize large duct and rights of way utilization.
- Reduce size and weight aids transportation, handling and blowing distance.
- Flexible, Light weight, easy to handle & install.
- Water Blocking technology for gel free core helps in the quicker and preparations.
- UV Protected.
- Tightly controlled Physical Parameters.
- Combinations of all types if fibers are available on request.

## Specifications

(288F with two layers Loose Tube Constructions)

Fiber Count	No. of fibers per Tube	No. of Elements	Cable Diameter (mm)	Cable Weight (Kg/Km) Nominal	Tensile Strength (N) @ 0.4% Strain	Crush Resistance (N/10cm)
04F	4	6	6.3 ± 0.7	30	500	600
12F	6	6	6.3 ± 0.7	30	500	600
24F	6	6	6.3 ± 0.7	32	500	600
48F	12	6	6.3 ± 0.7	32	500	600
96F	12	8	7.2 ± 0.7	49	500	600
144F	12	12	9.4 ± 0.7	75	500	600
288F	24	12	11.2 ± 0.7	105	500	600

## Environmental Specifications(Temperature)

Operation and Storage: -40°C to +70°C

Installation: -20°C to +70°C

## Standards Compliant

- ITU-T
- IEC 60793 & 60794
- Telcordia GR-20
- EIA/TIA

## Product Options

- Available with all kinds of Single Mode and Multimode Fibres.
- Length Option of 2.0, 4.0 Km.

## Ordering Code : CTS-FOC-MDC-XXX-YYY-KM

- XXX = OS1, OS2, OM1, OM2, OM3, OM4 (Type of Fiber)
- YYY = 04F, 12F, 24F, 48F, 96F, 144F & 288F (No. of Fibers)
- KM = Length in Kilo Meters (Example: 20 for 2 Kilo Meters)