

**MCR GROUP, INC.**

Technical Specification  
**Pre-connectorized Fiber Optic Cable Distribution Box**

**MCR ODB-8QY**



# MCR GROUP, INC.

## Contents

- 1. General.....2
  - 1.1 Description.....2
  - 1.2 Standards Comply.....2
  - 1.3 Applications Environment.....2
- 2. Characteristics.....3
- 3. Specifications.....3
  - 3.1 Mechanical specifications.....3
- 4. Configuration..... 错误!未定义书签。
  - 4.1 Main optical parameters ..... 错误!未定义书签。
- 6.Package ..... 错误!未定义书签。

## 1. General

### 1.1 Description

Pre-connectorized optical distribution box as the most advanced FTTX network distribution node equipment, provide quick and reliable connection, good protection and management for the FTTX network.

Production type	Classification
MCR ODB-8QY	Pre-connectorized fiber optic cable distribution box



**Appearance of MCR ODB-8QY**

### 1.2 Standards Comply

The production offered by FTTXTECH are designed, manufactured and tested according to the standards as follows:

ITU-T G.652	Characteristics of a single-mode optical fibre
IEC 60794-1-1	Optical fibre cables-part 1-1: Generic specification-General
IEC 60794-1-2	Optical fibre cables-part 1-2: Generic specification-Basic optical cable test procedure

### 1.3 Applications Environment

Item	Value
Operation temperature	-40 °C~+65 °C
Installation temperature	-5 °C~+40 °C
Storage temperature	-40°C~+65 °C
Atmospheric pressure	70~106Kpa
Relative humidity	≤93%(+40°C)

## 2. Characteristics

- 2.1. Advanced structure design, easy operation and reasonable routing.
- 2.2. Material: PP +GF.
- 2.3. Moisture proof, waterproof, dust-proof, anti-aging.
- 2.4. Protection level up to IP68.
- 2.5. 1 oval optical cable entry, 2 branch optical cable entries and 8 pre-connected adapters.
- 2.6. Various types of splice trays are available.
- 2.7. Installation method: pole-mounted, aerial-mounted, wall-mounted.

## 3. Specifications

### 3.1 Mechanical specifications

Item	Specifications
External dimension(mm)	377*225*122
Installation hole position(mm)	205*308
Color	Black
Size and quantity of optical cable hole	1 oval optical cable entry, 2 branch optical cable entries and 8 pre-connected adapters
Fusion capacity(Max)	48
	64
	96
	96
	108
Micro PLC Splitter	1x2
	1x4
	1x8
	1*16
Fiber cable diameter of the uncut pass through port(mm)	Φ18
Fiber cable dimension of branch cable port (mm)	Φ18
IP protection level	IP68
Flammability	HB
Neutral salt spray test (NSS)	48 h

.....

**If you need more information, please contact us!**