

## Technical Specification

### Pre-connectorized Fiber Optic Cable Distribution Box

#### MCR ODB-8BY&-1



# MCR GROUP, INC.

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# MCR GROUP, INC.

## 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-8BY&-1	Pre-connectorized fiber optic cable distribution box



Appearance of MCR ODB-8BY



Appearance of MCR ODB-8BY -1

### 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. The bottom shell and upper cover are welded by hot plate welding, which is not detachable..
- 2.2. Material: PP.
- 2.3. Moisture proof, waterproof, dust-proof, anti-aging.
- 2.4. Protection level up to IP68.
- 2.5. The interior is equipped with 1x2 FBT splitter+ 1x8 PLC splitter or 1x8 PLC splitter.
- 2.6. Installation method: pole-mounted, aerial-mounted, wall-mounted.
- 2.7. It can be equipped with drop cable storage tray to meet the storage of 30 meters 5mm round cable.

## 3. Specifications

### Mechanical specifications

Item	Specifications	Remark
Material of housing	Modified PP plastic	
Material of metal accessory	High-quality stainless steel	
External dimension(mm)	171*179*66mm	A*B*C
Color	Black	
Installation hole position(mm)	52*142*165	D*E*F
Number of Pre-connectorized adaptors	10	MCR ODB-8BY(1 red,1 blue,8 black)
	9	MCR ODB-8BY-1(1 red,8 black)
Splitter	1x2 FBT splitter+ 1x8 PLC splitter	MCR ODB-8BY,default ratio of 1x2 FBT splitter is 70%/30%
	1x8 PLC splitter	MCR ODB-8BY-1
IP grade	IP68	
Flammability	UL94-HB	It can be customized according to needs.
Neutral salt spray test (NSS)	48h	

## 4. Environmental characteristics

This product complies with the RoHS environmental protection directive, and the content of lead, cadmium, mercury, hexavalent chromium, polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) does not exceed the limit.

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