Optical Fibre Splitting and Distribution Box (Plastic)

This product is a cable distribution device for subscribers' terminals in an FTTH system. It terminates, branches, distributes, and splits optical fibre and cables, and manages and protects optical fibre and cables. Mainly used for FTTH-ODN user access points, indoor and outdoor models are available based on the installation scenario; models can also be classified as splicing type and splitting type based on their function.

Product Structure

GFS-12C

Product Features

- Made from injection-molded high-strength engineering plastic, offers good mechanical properties, elegant appearance, and high durability.
- Applicable to indoor and outdoor scenarios, pole and wall-mounted installation.
- Well-designed internal layout, with separate splicing and distribution zones.
- SC and duplex LC adapters supported, with modular distribution unit for easy installation and maintenance.
- Proper fibre routing; optical fibre bending radius exceeds 30 mm. Secure, reliable optical fibre continuity and fibre storage.
- Clear continuity and distribution marks for each optical fibre core.
- Excess cables coiled for compactness and protection.

Product Parameters

Product Series	GFS series
Operating Temperature	-40°C to +85°C
Ambient Humidity	≤ 85% (+30 ℃)
Atmospheric Pressure	70 kPa to 106 kPa
Protection Level	IP65
Insulation Resistance	Insulation resistance between cabinet ground device and cabinet ≥ 2 $\times 10^4$ MΩ/500 V (DC)
Withstand Voltage (V)	Withstand voltage between the grounded part and metal parts of the cabinet ≥ 3,000 V (DC)/1 min.
Connector Attenuation (dB)	≤ 0.3 dB
Return Loss (dB)	PC ≥ 45 dB, UPC ≥ 50 dB, APC ≥ 60 dB
Standards Compliance	Compliant with Chinese national standards, including YD/T2150-2010, GB/T2423-2008, GB/T3873-1998, and GB/T9286-1998, and IEC standards, including IEC 61300-3-15, IEC 61300-3-16, IEC 61300-3-17, and IEC 61300-3-23

Order Guide

Item	Type	Specifications	Maximum Split Ratio	Maximum Capacity	Application Scenario	Remarks
		H $\times$ W $\times$ D (mm)				
Optical Fibre Splitting and Distribution Box (Plastic)	GFS-12C	225×200×65	1:8	12-core	Outdoors	PLC optical power distribution
	GFS-16D	300×222×73	1:16	16-core		
	GFS-24A	320×240×100	1:16	24-core		