

Fibre Distribution HUB

RIK-COM offer flexible design and conception for Fibre Distribution Hubs called also FDH designated for FTTH Passive Optical Networks (PON). The FDH can be used in outside as well as inside applications to house passive optical splitters in a variety of sizes with output fibre capacities up to 1152 splices or fibres. Optical fibre cables are used as input cables then a variety of configurations is available for output cables for the distribution of an FTTH network.

Size, dimensions and materials will be customized as per every customer's request and application or use. Our FDH come with a loading capacity of 144 fibres, 288 fibres, 576 fibres, 864 fibres and up to 1152 fibres. Our FDH can be SS201+powder coated, SS304 or Pre-galvanized + Powder Coated



Features

- Stand or pole mount
- High strength, anti-aging, anti-corrosion, all weather protection
- All using a dedicated box for all edges rounded mould forming
- With double structure, filled with high-performance insulating materials with good heat insulation
- Using waterproof three-point door lock and pin lock
- 12 cores module, can be installed FC, SC, ST fibre optic adapter
- Designed for operation in a variety of climatic conditions
- Splitter modules available in either 1:16 or 1:32 configurations
- Easy storage and management for pigtails in splice bay
- Bend radius for optical fibres secured by integrated cable management



Applications

CATV networks
 FTTH
 Fibre communication systems and Network
 PON

Specification

Connector Type	SC/APC or LC/APC
Cabinet capacity	various configurations are available up to 864f
Cabinet Testing	Performance to meet Telcordia GR-449 CORE
Splitter modules	Supplied as 1x 32 or 1 x16 modules as per table below
Splitters	Fused or Planar supplied according to the splitters configuration
Splitter Testing	Performance to meet Telcordia GR1221 and GR1209
Cabinet Lock 3	point lock as standard or others available on request
Materials	SS201+powder coated, SS304 or Pre-galvanized + Powder Coated
Environment temperature	-40°C ~ +60°C
Relative humidity	≤85% (+30°C)
Atmospheric Pressure	70kpa ~ 106kpa
Insulation Resistance	≥ 20000MΩ / 500±50 VDC
Anti-voltage impact	3000VDC 1min
Insertion Loss	≤0.35dB
Return wave loss	PC≥45dB; APC≥60dB; UPC≥50dB,
IP Ratings	IP65
Capacity	144, 288, 576, 864, 1152 Cords

Ordering Information

CONSTRUCTION	Loading capacity	Type of the Adapters tray	IP rating	Colour	Material and painting
FDH	144=144	SC APC=SCA	IP65=65	White=WH	SS304=304
FDH	576=576	SC=SC	IP55=55	Black=BK	SS201=201
FDH	1152=1152	LC APC=LCA	IP44=44	Green=GR	Galvanized=GZ

