Optical Splitter Subscriber Nodes

4-32 Port Optical Splitters Aerial/Wall Mount

Features

- Ruggedised Housing with PLC Splitter
- 1x4 up to 1x32 variants
- Wall or Pole Mounting Options
- Separate Network and Customer Drop Compartments
- Up to 32 Drop Ports
- Multiple Distribution Cable Entries
- Impact-resistant Enclosure
- Optimised for Aerial and MDU PON Networks

Application

Optical Splitters Nodes are widely used in passive optical networks including GPON, NGPON and XGSPON. They take the signal on an input fiber and equally split it over multiple output fibers. 16 and 32 way split models are typically used in centralised distribution models, where the 2, 4 and 8 way units are typically used in distributed split networks. These units are typically deployed on poles in Aerial FTTH applications, and in building basements and risers in MDU FTTH installations.

Design

The prepopulated enclosures contain optical splitters with an even split ratio. The contained splitters use PLC technology to provide accurate consistent and compact design.

The unit is designed to provide separation between the distribution network and the customer drops. The unit is separated into a two cavity design, with the rear cavity housing splicing and mid-span storage. The front compartment contains the individual drop ports allowing for direct customer connection with pre-terminated drop cables.

The Aerial Subscriber Node is developed to provide a separation between network build and the customer drop. Housing the drop connectors within the subscriber node ensures that optical connectivity is both cost-effective and secure. Optimised for fast deployment, these enclosures are supplied as pre-fitted with PLC splitters suitable for plug and play connectorised drops.

Technical Information

Product Color	Black or Grey
Temperature, Operation [°C]	-40 +70
Temperature, Storage [°C]	-40 +70
Temperature, Installation [°C]	-40 +70
IP Rating	ASN IP55, ASN MAX IP53
Fiber Type	G657A1;G657A2
Return Loss, min [dB]	55
Technical Notes	**Operating Wavelength**: 1260 ~ 1650 nm **Maximum Input Power**: 500mW **Max PDL**: 0.3dB **Insertion Loss**: 1x4 ≤7.6dB, 1x8 ≤11.0dB, 1x16 ≤14.5dB, 1x32 ≤18.0dB
Ordering Information	Slack storage and mounting bracket available. Hexatronic provides a range of suitable drop cables for internal, external and aerial applications.

Articles 10

Article name	Color	Layout	Dimensions [mm]	Weight [kg]
Subscriber Node, SC/APC, (1) 1x4 Splitter FCLW-ASN-B-P06-104-ASC	Black	1:4	146 × 308 × 78	1.0
Subscriber Node, SC/APC, (1) 1x8 Splitter FCLW-ASN-B-P12-108-ASC	Black	1:8	146 × 308 × 78	1.0
Subscriber Node, SC/APC, (2) 1x8 Splitter FCLW-ASN-B-P18-108-ASC	Black	2x 1:8	146 × 308 × 78	1.0
Subscriber Node, SC/APC, (1) 1x16 Splitter FCLW-ASN-B-P18-116-ASC	Black	1:16	146 × 308 × 78	1.0
Subscriber Node Max, SC/APC, (1) 1x32 Splitter FCLW-ASNMX-B-P32-132-ASC	Black	1:32	250 × 350 × 91	1.4
Subscriber Node, SC/APC, (1) 1x4 Splitter FCLW-ASN-G-P06-104-ASC	Grey	1:4	146 × 308 × 78	1.0
Subscriber Node, SC/APC, (1) 1x8 Splitter FCLW-ASN-G-P12-108-ASC	Grey	1:8	146 × 308 × 78	1.0
Subscriber Node, SC/APC, (2) 1x8 Splitter FCLW-ASN-G-P18-108-ASC	Grey	2x 1:8	146 × 308 × 78	1.0
Subscriber Node, SC/APC, (1) 1x16 Splitter FCLW-ASN-G-P18-116-ASC	Grey	1:16	146 × 308 × 78	1.0
Subscriber Node Max, SC/APC, (1) 1x32 Splitter FCLW-ASNMX-G-P32-132-ASC	Grey	1:32	250 × 350 × 91	1.4