



Splitter PLC 1:8 ABS housing (without connectors) - SM, 2.0mm, 1m

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link to the product:

<https://intersell.pl/gb/778-splitter-plc-18-abs-housing-without-connections-sm-2-0mm-1m-5907813981531.html>

Manufacturer: InterOpto

Referention number: IO-SPL-PLC-8-ABS

Full product description

Splitter PLC (Planar lightwave circuit) is a kind of passive (no-power) device for separating communication from one fiber optic to many other fibers. Commonly used in all types of FTTH passive networks, where fibre optic fibre reaches the recipient's premises directly. It is characterized by high optical parameters, while maintaining a small size. It is used to distribute optical signals from a central point to multiple locations. We meet splitters with a ratio of 1:2, 1:4, 1:8 and so on exponentially. Their damping is high, which excludes their use in typical Point to Point networks (it starts with 3dB at a ratio of 1:2 and grows logarithmically reaching e.g. 15dB at a ratio of 1:32).

The ABS splitter is one of the most commonly used in PON networks. This is because it provides complete protection of internal optical components and cables, while ensuring simplicity and convenience of installation. It is mainly used in various connection and distribution products (**in the network cabinet or outdoor fiber distribution box**). It does not require such protection as splitters in a bare steel tube, however, it should still be provided with a solid fastening if installed in a place where it may be exposed to some interference already during the phase of use of the PON network.