

OptiSheath® MultiPort Flex Splitter Terminal



OptiSheath MultiPort Flex Splitter Terminals

The OptiSheath MultiPort flex splitter terminal is designed for use in outside plant fiber access networks, where a splitter is preferred. In particular, its reliability makes it ideal for fiber to the home (FTTH) applications. This innovative terminal provides sealed environmental protection, as well as easy incremental connection of subscriber drop cables.

The MultiPort flex splitter terminal is built with Corning® ClearCurve® optical fiber — the revolutionary bend-insensitive optical fiber and cable that ensures virtually no attenuation loss, even in tight bends with a bend radius of 5 mm.

This OptiSheath MultiPort accelerates FTTH community acceptance through its ability to fit inside some of the most compact pedestals and handholes on the market. The terminal is equipped with either the OptiTap® or in-line OptiTap as the input connector. Designed to effortlessly enhance your network reach, it offers the option to branch off to an existing terminal and add extra ports when needed. It is also available in three configurations: 1x2, 1x4, and 1x8 splitter terminals. This allows for lower initial deployment costs by connecting multiple drops to one fiber.

Features	Benefits
Low profile, small-form-factor multiport terminal	Reduces construction material cost by enabling smaller pedestals and vaults
OptiTap Cable assembly connector ports in individual tails	Maximum flexibility when installing in congested pits which reduces need for remediation
Corning ClearCurve bend-insensitive fiber	Ideal for tight bend deployments (5mm minimum bend radius)
Available with either OptiTap or in-line OptiTap as the input connector	Enhanced mating flexibility and compatibility
Available with 1x2, 1x4, or 1x8 splitter	Reduces distribution cable fiber count
Environmentally secure and rated to IP68	Eliminates the risk of moisture ingress

Standards

Design and Test Criteria	Tested to Telcordia GR-771-CORE and applicable sections of GR-1209-CORE and GR-1221-CORE
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Specifications

Mechanical Characteristics		
	Total Length (Tip-to-Tip)	Weight
1x2 Multiport Flex Splitter	514.35 mm (1.69 ft)	0.23 kg (8.0 ounces)
1x4 Multiport Flex Splitter	514.35 mm (1.69 ft)	0.27 kg (9.6 ounces)
1x8 Multiport Flex Splitter	609.6 mm (2.0 ft)	0.45 kg (16.0 ounces)

Optical Characteristics		
	Insertion Loss, Maximum	Reflectance, Maximum
1x2 Multiport Flex Splitter	4.3 dB	≥ 55 dB
1x4 Multiport Flex Splitter	8.2 dB	≥ 55 dB
1x8 Multiport Flex Splitter	11.6 dB	≥ 55 dB

Ordering Information

MSF - 48R43F -

1

2

3

4

- 1

Select housing type.

MSF = MultiPort Flex Splitter
- 2

Select splitter type.

H2 = 1x2 split
H4 = 1x4 split
F8 = 1x8 split
- 3

Select input connector type.

43 = OptiTap® Connector, SC APC
48 = In-line OptiTap Connector
- 4

Select packaging.

P = Individual packaging

Leave blank for bulk packaging – minimum order quantities will apply.

