Evolv® Optical Tap Terminal with Pushlok® Technology 4 Subscriber Ports, 15dB Nominal Loss, Pass-Through Port 80/20 Power Ratio, Stubless

Part Number:
DTA8X41500NC000S0P

Optical tap terminals, known also as distributed tap, uneven-split or asymmetric terminals, are most appropriate for short length, dense environments or rural FTTx applications where lean distribution runs are desired. Each run supports 32 or 64 subscriber ONTs with cascaded multiport terminals utilizing preconnectorized single-fiber assemblies in the distribution. The fully preconnectorized system reduces installation costs while increasing the speed of deployment. This solution is comprised of an array of power-split ratios to customize each run for optimal signal reach. Tap splits of 90/10, 85/15, 80/20, 70/30, 60/40, and 00/00 split ratios can be cascaded, or daisy-chained, to accommodate a wide variety of deployment scenarios. Each multiport terminal includes the uneven, asymmetric splitter, a standard 1x2, 1x4, or 1x8 splitter to support customer connections, as well as a pass-through port feeding subsequent terminals in the run in a single form factor. The number of terminals in an individual run and the variation of multiport terminals used is dependent upon the distances between terminals and subscribers to maintain an acceptable link loss budget. By limiting the number of terminal options and utilizing preconnectorized Pushlok drop cables, FTTx designs and material inventories can be simplified.

Features and Benefits

Stubless Multiport Evolv® Terminal System

Reduces distribution cable fiber count; allows full plug and play distribution deployment, without requiring splicing

Full Preconnectorized Single Fiber Architecture

A cost effective solution that diverts a portion of power to support a typical run of 32 to 64 ONTs

Supports Various Power Split Ratios

Solutions available to accommodate numerous combinations of power split ratio designs

Rapid Repair/Restoration

Damaged single-fiber preconnectorized drops can be repaired quickly with low-skill technicians to restore subscriber services

Dual-Ended ROC™ Drop Cable Assembly

ROC™ drop assemblies terminated with Pushlok connectors on both ends provide quick and efficient connectivity between terminals

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Specifications

General Specifications	
Product Type	Terminals
Environment	Outdoor
Cable Type	Stubless
Fiber Category	G.657.A1
Packaging	Individual Pack
Preconnectorized "Stubbed" Hardware	No
Mounting Type	Strand-mount, Pole-mount, Pedestal-mount, Handhole Mount
Splice option	No
Application	Fiber to the Premises

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	USDA Rural Development Programs
Design and Test Criteria	Telcordia GR-771-CORE, Issue 1

Design	
Lockable	No
Fiber Count	6
Input Fiber Count	1
Fibers per Port	1
Number of single-fiber ports, SC APC connector	6
Housing Material	Plastic
Adapter Type Master Level	Plastic
Adapter Color Front	Black
Adapter Type Front	Pushlok
Input Cable Type	Stubless

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Design	
Sealing Type	Welded
Housing Color	Black
Color	Black
Product Family	Evolv
Number of Ports	6

Design - Adapter	
Housing Color	Black
Adapter Style	APC
Adapter Type	Pushlok

Mechanical Specifications	
Cold Mate/Demate	-40 °C (-40 °F)

Optical Specification - Hardware	
Pass-Through Port, Insertion Loss, Max	1.8 dB
Drop Port, Reflectance, Maximum	> -65 dB (optical return loss)
Drop Port, Insertion Loss, Typical	14.5 dB
Drop Port, Insertion Loss, Max	16 dB
Pass-Through Port, Insertion Loss, Typical	1.4 dB
Pass-Through Port, Refectance, Maximum	> -65 dB (optical return loss)

Connector Specs	
Polish	APC
Housing Color	Black
Housing Material	Plastic

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Specifications - Connector A	
Connector Type	Pushlok
Polish	APC
Endface Type	SC APC

Dimensions	
Height	529 mm
Width	1.18 mm
Depth	606 mm
Weight	0.86 kg

Ordering Information	
Product Number	DTA8X41500NC000S0P
Packaging Method	Box
Units per Delivery	1/1

RoHS COMPLIANT

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