AFL RTD™ Terminal – Powered by Prodigy®

The AFL RTD Terminal powered by Prodigy is the latest offering from AFL to support FTTx deployments. This product features the reduced size Prodigy hardened fiber optic adapters with a large selection of cable types and lengths. The AFL RTD Terminals feature an industry exclusive ADSS cable offering to allow for span lengths up to 3x industry standard flat drop cables.

The AFL RTD Terminal features conventional point to point fiber terminations as well as optical splitter versions to support a wide range of system designs. The AFL RTD Terminal is factory sealed to withstand the harsh outside plant application environments.

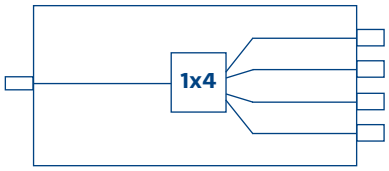
Features

- Reduced size ~40% smaller than full size hardened fiber optic connectors
- Output port range from 2–12 hardened connector ports
- Straight Through/P2P terminals offered with up to 12 ports
- Distributed Split terminals offered with up to 8 ports supporting 1x2, 1x4, and 1x8 optical splitters
- Color coded placards for easy identification
  - Point to Point - Green Placard
  - 1 x n Splitter - Blue Placard
- Available with ADSS, Dielectric Flat Drop, Toneable Flat Drop, and Armored Round Drop cable
- Cable lengths offered up to 5000FT for Flat drop cables and 3400FT for ADSS cables
- Designed and tested to IEC-61573, category G (outdoor ground level environment)
- Versatile mounting options including, Pole, Pedestal, Strand, and Handhole/vault
- Made under license from CommScope utilizing the Prodigy® Hardened SC/APC adapter
- Patent Information: www.AFLglobal.com/patents

Applications

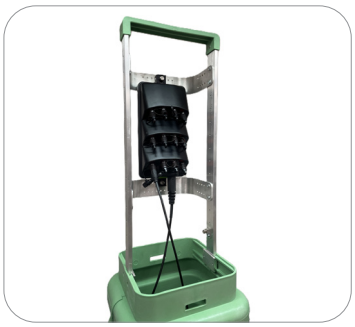
- Below grade vault
- Pole mount, pedestal mount, wall mount and aerial mount

Straight Through/P2P



Distributed Split

ADSS Drop Cable



Pedestal Mount Application

AFL RTD Terminal Family

BEAD compliant configurations and part numbers indicated where applicable. Non-compliant items may be eligible for BEAD De Minimis waiver. For complete list of compliant part numbers, see *AFL BEAD Program Compliant Equipment List* on our website.

continued

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Specifications are subject to change without notice.

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AFL RTD™ Terminal – Powered by Prodigy®

AFL RTD Terminal Specifications

Parameter	Value		
	2-Port	4/6/8-Port	12-Port
Dimensions (width x length x depth in inches)	4.5" x 6.1" x 3.1"	5.6" x 7.9" x 3.1"	5.6" x 10.6" x 3.1"
Weight (without cable, approx.)	1 lb	1.2 lb	1.5 lb

AFL RTD Terminal Optical Specifications

Parameter	Value		
	2-Port	4/6/8-Port	12-Port
Insertion Loss, Max-Point to Point Terminals	0.50dB	0.50dB	0.50dB
Adapter Insertion Loss, typical	0.20dB	0.20dB	0.20dB
Return Loss, connector, typical	65dB	65dB	65dB

Parameter	Value
1x2 Splitter Insertion Loss, typical	4.00dB
1x4 Splitter Insertion Loss, typical	7.00dB
1x8 Splitter Insertion Loss, typical	10.70dB

Ordering Information – Accessories and Kits

Description	AFL No.
Strand Mount Bracket Kit	FC001365
Prodigy to SC/APC Adapter - for referencing test jumpers	CS019765
Prodigy Male to SC/APC Test Jumper (1 meter)	RTDD-PRD-ASC-1PS-0001
Prodigy RTD Hanging Bracket Kit, 8/6/4/2-Port	FC148127
Prodigy RTD Hanging Bracket Kit, 12-Port	FC148028

Qualifications

Standard	Specification
IEC 61753-1	Category G
IEC 61753-111-08 (IEC 60529 IP68)	2m water
Operating Temperature	-40°C to +65°C (-49°F to 149°F)

Contact AFL for further details.

AFL CERTIFIED BEAD COMPLIANT

BEAD compliant configurations and part numbers indicated where applicable. Non-compliant items may be eligible for BEAD De Minimis waiver. For complete list of compliant part numbers, see *AFL BEAD Program Compliant Equipment List* on our website.

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AFL RTD™ Terminal Point-to-Point Fiber Configurations

Standard Prodigy® RTD Terminal Configurator

RTDT – **12** – **XXX** – **TD** – **XXXXM** – **R**

TYPE
RTDT = RTD Terminal

PRODIGY OUTPUT PORT COUNT
12
8
6
4

STUB END
XXX = No Connector

CABLE TYPE
TD = Flat Drop Toneable
DD = Flat Drop Dielectric
AN = Armored Round Drop
NC = Non-Armored Round Drop
AD = ADSS
PD = Pushable Drop

CABLE LENGTH
XXXXM = Meters
XXXXF = Feet

DIRECTION
Blank = Standard cable-first payout
R = Reversed reel, terminal-first payout

BEAD Prodigy RTD Terminal Configurator

BTDT – **12** – **XXX** – **TD** – **XXXXM** – **R**

TYPE
BTDT = RTD Terminal

PRODIGY OUTPUT PORT COUNT
12
8
6
4

STUB END
XXX = No Connector

CABLE TYPE
TD = Flat Drop Toneable
DD = Flat Drop Dielectric
AD = ADSS

CABLE LENGTH
XXXXM = Meters
XXXXF = Feet

DIRECTION
Blank = Standard cable-first payout
R = Reversed reel, terminal-first payout

Note: Cable lengths will be in increments of 50ft (min of 50ft).
Placard color: P2P = Green

AFL CERTIFIED BEAD COMPLIANT

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AFL RTD™ Terminal Splitter Configurations

Standard Prodigy® RTD Splitter Configurator

RTDS	–	8	–	XXX	–	TD	–	XXXXM	–	R
TYPE		**PRODIGY OUTPUT PORT COUNT**		**STUB END**		**OUTPUT CABLE TYPE**		**CABLE LENGTH**		**DIRECTION**
RTDS = RTD Splitter		8 4 2		XXX = No Connector		TD = Flat Drop Toneable DD = Flat Drop Dielectric AN = Armored Round Drop NC = Non-Armored Round Drop AD = ADSS PD = Pushable Drop XX = No Cable		XXXXM = Meters XXXXF = Feet		Blank = Standard cable-first payout R = Reversed reel, terminal-first payout

BEAD Prodigy RTD Splitter Configurator

BTDS	–	8	–	XXX	–	TD	–	XXXXM	–	R
TYPE		**PRODIGY OUTPUT PORT COUNT**		**STUB END**		**OUTPUT CABLE TYPE**		**CABLE LENGTH**		**DIRECTION**
BTDS = RTD Splitter		8 4 2		XXX = No Connector		TD = Flat Drop Toneable DD = Flat Drop Dielectric AD = ADSS XX = No Cable		XXXXM = Meters XXXXF = Feet		Blank = Standard cable-first payout R = Reversed reel, terminal-first payout

Note: Cable lengths will be in increments of 50ft (min of 50ft).
Placard color: Splitter = Blue

BEAD compliant configurations and part numbers indicated where applicable. Non-compliant items may be eligible for BEAD De Minimis waiver. For complete list of compliant part numbers, see *AFL BEAD Program Compliant Equipment List* on our website.

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