

AFL RTD™ Distributed Tap Terminal – Powered by Prodigy®

The AFL RTD Distributed Tap 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 Distributed Tap Terminal features a wide variety of optical splitter options and wide band coupler ratios to support even complex system designs. The AFL RTD Distributed Tap Terminal is factory sealed to withstand the harsh outside plant application environments.

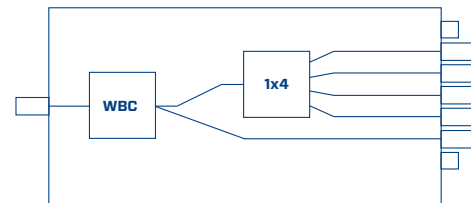


Features

- Reduced size ~40% smaller than full size hardened fiber optic connectors
- Output port range from 2–8 hardened connector ports
- Distributed Tap terminals offered with up to 8 ports supporting 1x2, 1x4, and 1x8 optical splitters with wide band couple ratios from 97/3 to 50/50
- Color coded placards for easy identification
 - Distributed Tap- Orange Placard
- 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



Cascaded Tap



ADSS Drop Cable



Distributed Tap Terminal with ADSS Drop Cable



Pedestal Mount Application



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 Specifications

Parameter	Value	
	2-Port	4/8-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"
Weight (without cable, approx.)	1 lb	1.2 lb

AFL RTD Terminal Optical Specifications

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

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.



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.

AFL RTD™ Distributed Tap Configurator

RTDP	TAP	8	XX		
TYPE		OUTPUT PORT COUNT	TAP VALUE	TAP TOTAL IL (PASS THROUGH)	OUTPUTS TOTAL IL (DROP LOSS)
RTDP			22	2.25	21.25
BTDP*		8	20	2.50	19.90
			18	3.20	18.00
			17	4.00	16.70
			16	4.35	16.05
			14	7.30	13.90
			12	0.90	11.60

RTDP	TAP	4	XX		
TYPE		OUTPUT PORT COUNT	TAP VALUE	TAP TOTAL IL (PASS THROUGH)	OUTPUTS TOTAL IL (DROP LOSS)
RTDP			23	1.70	22.50
BTDP*		4	20	1.95	19.40
			17	2.50	16.20
			15	3.20	14.30
			13	4.35	12.35
			12	5.35	11.35
			11	7.30	10.20
			10	9.20	9.50
			8	0.90	7.90

RTDP	TAP	2	XX		
TYPE		OUTPUT PORT COUNT	TAP VALUE	TAP TOTAL IL (PASS THROUGH)	OUTPUTS TOTAL IL (DROP LOSS)
RTDP			22	1.65	21.90
BTDP*		2	20	1.70	19.50
			17	1.95	16.40
			15	2.25	14.55
			14	2.50	13.20
			12	3.20	11.30
			10	4.00	10.00
			9	5.35	8.35
			8	7.30	7.20
			7	9.20	6.50
			5	0.90	4.90

* BEAD RTD Terminal
Placard color: TAP = Orange



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