

# AFL RTD™ Drop Connectors – Powered by Prodigy®

AFL RTD Drop Connectors – Powered by Prodigy® are the latest design of hardened outside plant (OSP) drop connectors for AFL's FTTx Solutions. Made under the license of CommScope, these new Drop Connectors are 40% smaller than our current AFL TRIDENT® Connectors and allow for backward compatibility with AFL TITAN® RTD Terminals. These connectors feature easy "plug and play" mating with converters that are compatible with SC/APC, Full-size Hardened Connectors, and other connector types. AFL RTD Drop Connectors – Powered by Prodigy® can be easily "converted" at the factory or in the field to mate with various other terminal port types. Factory-terminated connectors are available in one to four fiber configurations on 250 µm outdoor or 900 µm indoor/outdoor flat drop cable. ADSS Drop Cable options are also available in one to four fiber configurations. BABA-compliant product configurations are also available.



## Features

- Easily converted at the factory or in the field to mate with various other terminal port types
- Factory terminated in one to four fiber configurations:
  - 250 µm outdoor or 900 µm indoor/outdoor flat drop cable
  - ADSS Drop Cable
- Reduced size: 40% smaller than AFL TRIDENT
- Compatible with alternate port types, i.e., Full-size Hardened Connectors via connector converters
- Made under license from CommScope
- BABA compliant



ADSS Drop Cable



Prodigy to SC/APC Converter



## Specifications

Connector	Max. Hole Size for Connector*	Physical Contact	Max. Insertion Loss	Typ. Insertion Loss	Reflection	Retention Force
Prodigy® Connector	0.6 in. (15.2 mm)	Angled polished contact (APC), standard 8 deg. angle	≤ 0.4 dB	≤ 0.12 dB	≤ 65 dB	100 lbs (444.8 N)
Full-size Connector	13/16 in. (20.6 mm)	Angled polished contact (APC), standard 8 deg. angle	≤ 0.4 dB	≤ 0.12 dB	≤ 65 dB	100 lbs (444.8 N)
SC/APC Connector	1/2 in. (12.7 mm)	Angled polished contact (APC), standard 8 deg. angle	≤ 0.4 dB	≤ 0.12 dB	≤ 65 dB	15 lbs (66.7 N)



BABA compliant configurations and part numbers indicated where applicable. For complete list of compliant part numbers, see [AFL BABA Compliant Equipment List](#) on our website.

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## Ordering Information

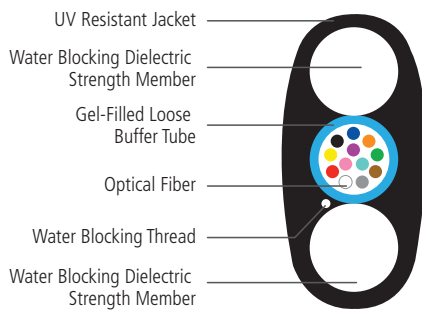
RTDD	PRD	XXX	2DD	0100	F	P
Drop Compliance	Outside Connector	Inside Connector	Cable Type	Cable Length	Unit of Measure	Pulling Eye
RTDD = Non BABA BTDD = BABA	XXX = No Connector PRD = Prodigy Connector ASC = SC/APC ALC = LC/APC FCM = Full Size Converter Male		1DD = One Fiber Dielectric Flat Drop 2DD = Two Fiber Dielectric Flat Drop 4DD = Four Fiber Dielectric Flat Drop 1TD = One Fiber Toneable Flat Drop 2TD = Two Fiber Toneable Flat Drop 4TD = Four Fiber Toneable Flat Drop 1KDD = One Fiber I/O Flat Drop 1KTD = One Fiber Toneable I/O Flat Drop 1AD = One Fiber ADSS Cable 1PS = One Fiber Plenum Simplex, 3.0 mm	Specify length with 4 digits 0100 = 100 ft	F = Feet Blank = Meters	P = Pulling Eye Blank = No Pulling Eye

### NOTES:

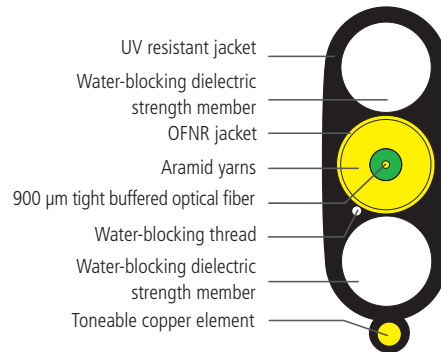
1. Cable lengths will be in increments of 50 ft.
2. FCM = Full Size Male HFOC Converter installed on Prodigy Connector, Factory installed
3. BABA-compliant cable options are highlighted in blue.
4. 1PS = 3.0 mm Simplex Plenum cable for test jumpers
5. Standard breakout lengths on cables with multiple fibers or non PRD connectors is 19 inches (500 mm).
6. Made under license from CommScope.
7. Pulling Eye only available for SC and LC 1F connectors.

## Cable Components

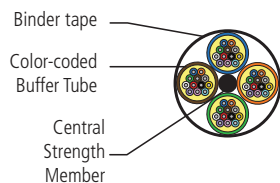
### Dielectric OSP



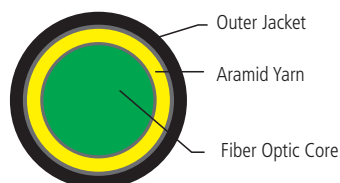
### Toneable Indoor/Outdoor



### 4-unit Fiber Optic Core for AFL-ADSS® Fiber Optic Cable



### AFL-ADSS® Fiber Optic Cable



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