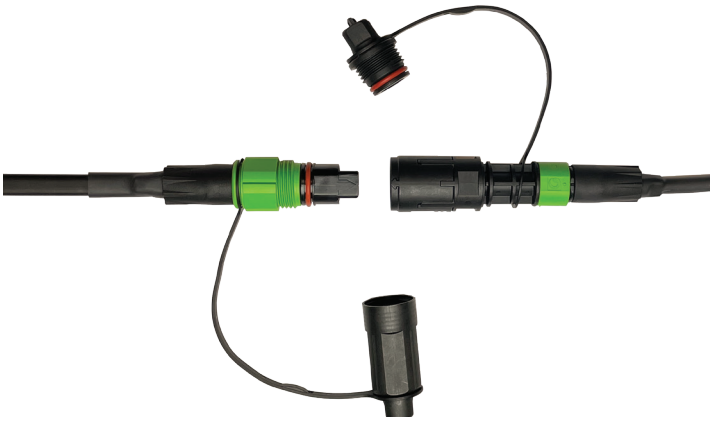
# AFL RTD™ Drop Connectors – Powered by Prodigy®

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 that 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
- Prodigy® to AFL Trident converter capabilities
- Made under license from CommScope
- BABA compliant



Prodigy to Full-size Male Converter (left) and Full-size Female Convrter (right)

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) |
| Trident Connector | 13/16 in. (20.6 mm) | Angled polished contact (APC), standard 8 deg. angle | ≤ 0.50 dB | ≤ 0.15 dB | ≤ 65 dB | 25 lbs (111 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.

*continued*

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Specifications are subject to change without notice.



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## Ordering Information

**RTDD** – **PRD** – **XXX** – **2DD** – **0100** – **F** – **P**

**Drop Compliance**
RTDD = Non BABA
BTDD = BABA

**Outside Connector / Inside Connector**
XXX = No Connector
PRD = Prodigy Connector
ASC = SC/APC
ALC = LC/APC
FCM = Full Size Converter Male
FCF = Full Size Converter Female
PTC = Prodigy Trident Converter

**Cable Type**
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 Dielectric 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

**Cable Length**
Specify length with 4 digits
0100 = 100 ft

**Unit of Measure**
F = Feet
Blank = Meters

**Pulling Eye**
P = Pulling Eye
Blank = No Pulling Eye

**NOTES:**

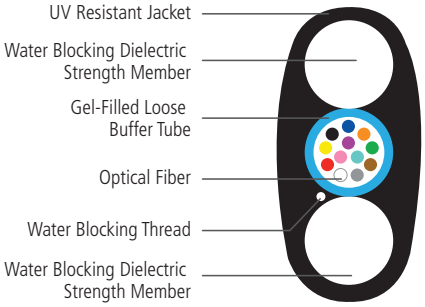
**1.** Cable lengths will be in increments of 50 ft.
**2.** FCM = Full Size Male HFOC Converter installed on Prodigy Connector, Factory installed
**3.** BABA-compliant cable options are highlighted in blue.
**4.** 1PS = 3.0 mm Simplex Plenum cable for test jumpers
**5.** Standard breakout lengths on 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.
**8.** FCF = Full Size Female HFOC Converter installed on Prodigy Connector, Factory installed

## Converter Accessories

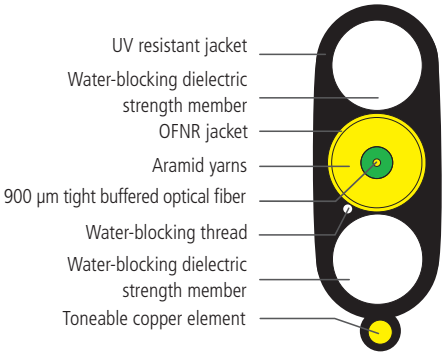
| AFL No. | Description |
|---|---|
| CS019767-MTY | SC/APC (pack of 25) |
| CS019766-MTY | FCM (pack of 25) |
| CS019768-MTY | FCF (pack of 25) |
| TBD | Trident (pack of 25) |

## Cable Components

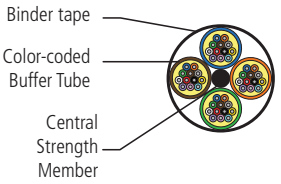
### Dielectric OSP



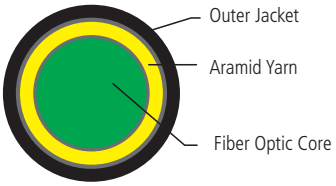

### Toneable Indoor/Outdoor




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




### AFL-ADSS® Fiber Optic Cable

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