

# ResiLink™ TF | Flat Drop Toneable

Toneable flat drop cable (1 to 24 Fibers)

# Prysmian



24 AWG Tracer Wire

Strength Member

Water-Blocking Material

HDPE Outer Jacket

Gel-Filled Buffer Tube (up to 24 Fibers)



## FEATURES AND BENEFITS

### Easy Access Design

- The jacket can be easily opened with a knife
- The buffer tube is easily separated from the jacket and strength members
- The 3.0 mm buffer tube provides protection when routing fibers to the splice tray

### External Tracer Wire in a Wedded Configuration

- Simplifies location of the cable after installation
- Can be grounded or accessed without opening the rest of the cable
- Easily separated from the rest of the cable without compromising the jacket

### All-Dielectric Messengers

- No bonding or grounding required
- Flexible and kink resistant

### Dry Water-Blocking Technology

- Permits rapid cable preparation and termination
- Water-blocking materials are easily removed

### Versatile Design

- Small cross-section and high strength provide good aerial performance
- Can be pushed or pulled through duct
- Highly crush-resistant

### Dual Strength Member Design

- More flexible than a single rod of the same strength
- Easier to handle and coil than comparable all-dielectric figure-8 designs
- A great alternative where steel strength members are not permissible

### High Density Polyethylene Jacket

- Low friction installation
- Excellent protection from environmental hazards

### Sheath Markings

- Provides positive identification and length verification

### Performance

- Complies with Telcordia GR20 and ICEA 717

### Registered Supplier

- ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

## PERFORMANCE SPECIFICATIONS

| Bend Radius         | mm                    | inches             |                   |
|---------------------|-----------------------|--------------------|-------------------|
| Dynamic             | 150                   | 5.9                |                   |
| Static              | 100                   | 3.9                |                   |
| Tensile Rating      | N                     | lbf                |                   |
| Installation Load   | 1336                  | 300                |                   |
| Temperature Ratings | °C                    | °F                 |                   |
| Operation           | -40 to +70            | -40 to +158        |                   |
| Installation        | -30 to +60            | -22 to +140        |                   |
| Storage/Shipping    | -40 to +75            | -40 to +167        |                   |
| Installation SAG    | Maximum Span Distance |                    |                   |
|                     | NESC Heavy ft (m)     | NESC Medium ft (m) | NESC Light ft (m) |
| 1%                  | 150 (45)              | 260 (79)           | 330 (100)         |
| 1.5%                | 160 (49)              | 280 (85)           | 370 (112)         |
| 3%                  | 185 (56)              | 330 (100)          | 450 (137)         |

## Dimensions and Weights

|                  |                       |
|------------------|-----------------------|
| Buffer Tube OD   | 3.0 mm (0.12 in)      |
| Cable Thickness  | 4.3 mm (0.17 in)      |
| Cable Width      | 10.5 mm (0.41 in)     |
| Cable Weight     | 39 kg/km (26 lbs/kft) |
| Max Cable Length | 10,000 m (32,808 ft)  |

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## Prysmian Group

4 Tesseneer Drive, Highland Heights, KY 41076  
+1-859-572-8000 / na.prysmiangroup.com  
TLS-DS-A-603-0523

# ResiLink™ TF | Flat Drop Toneable

Toneable flat drop cable (1 to 24 Fibers)

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| Prysmian Part Number* | General Cable Part Number** | Fiber Count |
|-----------------------|-----------------------------|-------------|
| DFDNATJ-12-AA-001-BB  | XX00164U1A.TF               | 1           |
| DFDNATJ-12-AA-002-BB  | XX0024U1A.TF                | 2           |
| DFDNATJ-12-AA-004-BB  | XX0044U1A.TF                | 4           |
| DFDNATJ-12-AA-006-BB  | XX0064U1A.TF                | 6           |
| DFDNATJ-12-AA-012-BB  | XX0124U1A.TF                | 12          |
| DFDNATJ-24-AA-024-BB  | XX0244U1A.TF                | 24          |

\* Where AA equals glass type and BB equals attenuation

\*\* Where XX equals glass type

## Package Options

| Package            | Dimensions H x W x D |              | Capacity |      | Ship Weight |       |
|--------------------|----------------------|--------------|----------|------|-------------|-------|
|                    | inches               | cm           | feet     | m    | lbs         | kg    |
| 18" Plywood Reel   | 18 x 15 x 8          | 46 x 38 x 20 | 1800     | 550  | 55          | 24.9  |
| 29.5" Plywood Reel | 29.5 x 18 x 12       | 76 x 46 x 30 | 8000     | 2450 | 243         | 110.2 |

\*Note: This reel is not rated for long term outdoor storage. This cable is also available in longer lengths on standard OSP reels

## Ordering Guide

The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described below

**Example:** ResiLink flat toneable, flat drop (12 fibers/tube) with 2 single-mode fibers (printed in feet)

|                          |                         |                       |                         |                     |                      |                      |
|--------------------------|-------------------------|-----------------------|-------------------------|---------------------|----------------------|----------------------|
| <b>1</b> LENGTH MARKINGS | <b>2</b> PRODUCT FAMILY | <b>3</b> CONSTRUCTION | <b>4</b> FIBER GROUPING | <b>5</b> FIBER TYPE | <b>6</b> FIBER COUNT | <b>7</b> FIBER GRADE |
| F                        | DFD                     | NATJ                  | 12                      | B1                  | 002                  | E3                   |

| PART NUMBER CONSTRUCTION |  |
|--------------------------|--|
| <b>1</b> LENGTH MARKINGS | F = Feet or M = Meters   |
| <b>2</b> PRODUCT FAMILY  | DFD = ResiLink™ All-Dielectric Flat Drop Cable                     |
| <b>3</b> CONSTRUCTION    | NATJ = Non-Armor, Toneable Jacket                                  |
| <b>4</b> FIBER GROUPING  | 12 = 12f per tube<br>24 = 24f per tube (for 14 to 24 fiber counts) |

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

| FIBER INFORMATION    |   |                 |
|----------------------|---|-----------------|
| <b>5</b> FIBER TYPE  | SINGLE-MODE   |                 |
|                      | B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)        |                 |
|                      | CU = Corning™ SMF28® Ultra Single-Mode (ITU G.657.A1 & G.652.D)   |                 |
|                      | B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D) |                 |
| <b>6</b> FIBER COUNT | 1 to 24 fibers  |                 |
| <b>7</b> FIBER GRADE | SINGLE-MODE   |                 |
|                      | Attenuation (dB/km)   | Wavelength (nm) |
|                      | E3 = 0.35/0.35/0.25   | 1310/1383/1550  |
|                      |   | Fiber Type      |
|                      |   | B1, CU, or B2   |

Other cable constructions and fiber performance grades available on request.

## Mounting Hardware - Clamp

| Manufacturer | Catalog Number | Clamp Description                      |
|--------------|----------------|--|
| Belden       | 23-88881       | 2 Pair Stainless Steel Drop Wire Clamp |



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