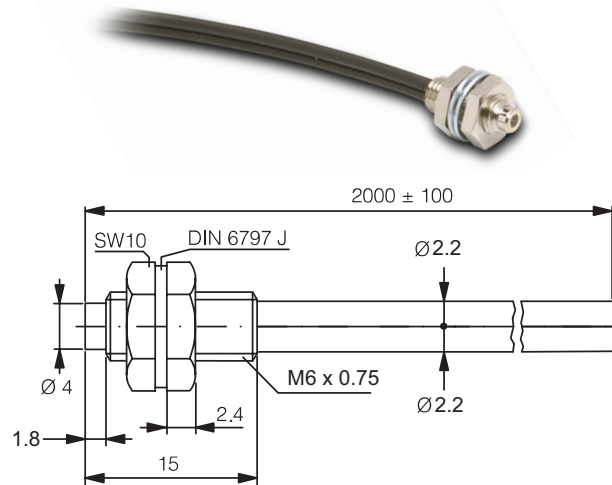


# Cuttable Optical Fibers (2.2 mm Diameter)

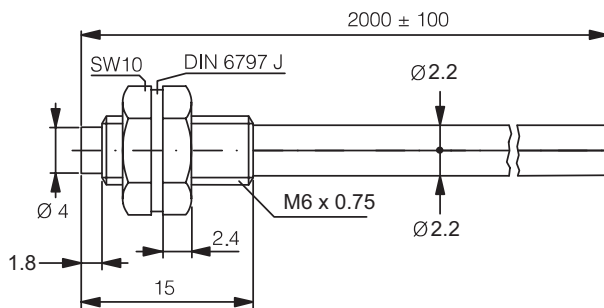
## CF-DB1-20 diffuse reflection

| CF-DB1-20 Specifications                 |                            |
|------------------------------------------|----------------------------|
| Part Number                              | CF-DB1-20                  |
| Price                                    | \$39.50                    |
| Optical Fiber Core Ø                     | 1 mm [0.039 in]            |
| Sensing Distance with DFT and DFP series | 200mm [7.87in]             |
| Fiber Length (L)                         | 2.0 m [78.74 in]           |
| Fiber Bending Radius                     | 25mm [0.98 in]             |
| Free Cut                                 | Yes                        |
| Head Size                                | M6                         |
| Thread Pitch                             | 0.75 mm                    |
| Protection Degree                        | IEC IP67                   |
| Agency Approvals                         | UL file 328811             |
| Temperature Range                        | -25 to 70°C [-13 to 158°F] |
| Fiber Materials                          | PMMA                       |
| Sleeve Materials                         | Polyethylene               |
| Head Materials                           | Nickel-plated brass        |



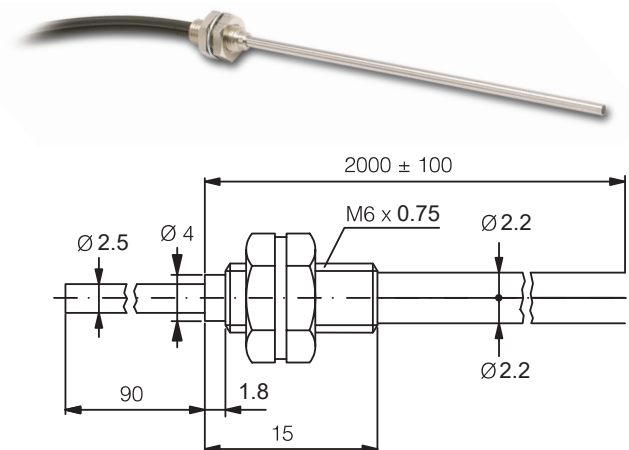
## CF-DB2-20 diffuse reflection

| CF-DB2-20 Specifications                 |                            |
|------------------------------------------|----------------------------|
| Part Number                              | CF-DB2-20                  |
| Price                                    | \$58.00                    |
| Optical Fiber Core Ø                     | 1.5 mm [0.06 in]           |
| Sensing Distance with DFT and DFP Series | 260mm [10.23 in]           |
| Fiber Length (L)                         | 2.0 m [78.74 in]           |
| Fiber Bending Radius                     | 40mm [1.57 in]             |
| Free Cut                                 | Yes                        |
| Head Size                                | M6                         |
| Thread Pitch                             | 0.75 mm                    |
| Protection Degree                        | IEC IP67                   |
| Agency Approvals                         | UL file 328811             |
| Temperature Range                        | -25 to 70°C [-13 to 158°F] |
| Fiber Materials                          | PMMA                       |
| Sleeve Materials                         | Polyethylene               |
| Head Materials                           | Nickel-plated brass        |



## CF-DB3-20 diffuse reflection

| CF-DB3-20 Specifications                 |                            |
|------------------------------------------|----------------------------|
| Part Number                              | CF-DB3-20                  |
| Price                                    | \$63.00                    |
| Optical Fiber Core Ø                     | 1 mm [0.039 in]            |
| Sensing Distance with DFT and DFP Series | 200 mm [7.87 in]           |
| Fiber Length (L)                         | 2.0 m [78.74 in]           |
| Fiber Bending Radius                     | 25 mm [0.98 in]            |
| Bendable light-outlet tube               | Yes, 25mm [0.98 in] radius |
| Free Cut                                 | Yes                        |
| Head Size                                | M6                         |
| Thread Pitch                             | 0.75 mm                    |
| Protection Degree                        | IEC IP67                   |
| Agency Approvals                         | UL file 328811             |
| Temperature Range                        | -25 to 70°C [-13 to 158°F] |
| Fiber Materials                          | PMMA                       |
| Sleeve Materials                         | Polyethylene               |
| Head Materials                           | Nickel-plated brass        |

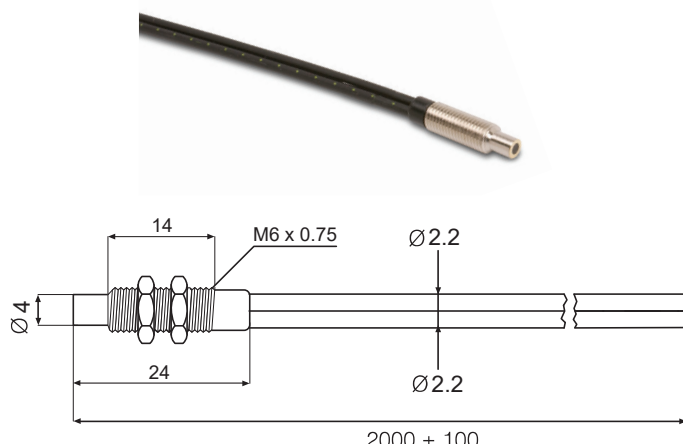


# Cuttable Optical Fibers (2.2 mm Diameter)

## CF-CB1-20 Diffuse Reflection

### CF-CB1-20 Specifications

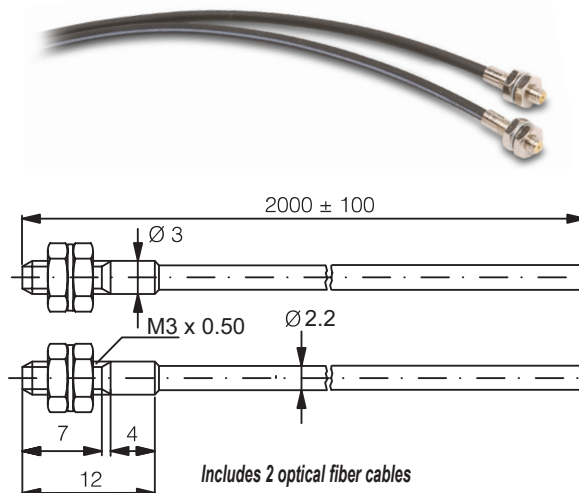
|                                         |                            |
|-----------------------------------------|----------------------------|
| <b>Part Number</b>                      | CF-CB1-20                  |
| <b>Price</b>                            | \$29.00                    |
| <b>Optical Fiber Core Ø</b>             | 1mm [0.039 in]             |
| <b>Sensing Distance with SSF Series</b> | 50mm [1.97 in]             |
| <b>Fiber Length (L)</b>                 | 2.0 m [78.74 in]           |
| <b>Fiber Bending Radius</b>             | 25mm [0.98 in]             |
| <b>Free Cut</b>                         | Yes                        |
| <b>Head Size</b>                        | M6                         |
| <b>Thread Pitch</b>                     | 0.75 mm                    |
| <b>Protection Degree</b>                | IEC IP67                   |
| <b>Temperature Range</b>                | -40 to 70°C [-40 to 158°F] |
| <b>Fiber Materials</b>                  | PMMA                       |
| <b>Sleeve Materials</b>                 | Polyethylene               |
| <b>Head Materials</b>                   | Nickel-plated brass        |



## CF-TB1-20 Through-beam

### CF-TB1-20 Specifications

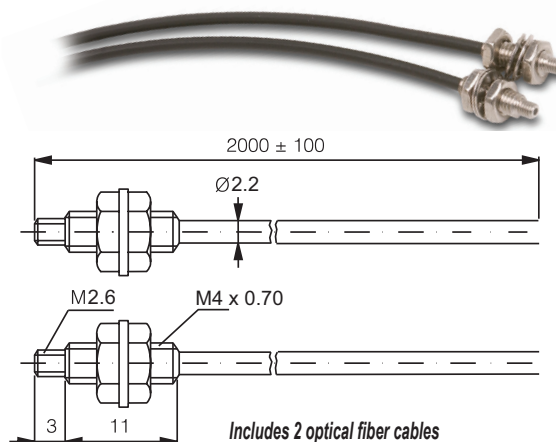
|                                                 |                            |
|-------------------------------------------------|----------------------------|
| <b>Part Number</b>                              | CF-TB1-20                  |
| <b>Price</b>                                    | \$39.50                    |
| <b>Optical Fiber Core Ø</b>                     | 0.5 mm [0.02 in]           |
| <b>Sensing Distance with DFT and DFP Series</b> | 200mm [7.87 in]            |
| <b>Fiber Length (L)</b>                         | 2.0 m [78.74 in] ea. piece |
| <b>Fiber Bending Radius</b>                     | 25mm [0.98 in]             |
| <b>Free Cut</b>                                 | Yes                        |
| <b>Head Size</b>                                | M3                         |
| <b>Thread Pitch</b>                             | 0.5 mm                     |
| <b>Protection Degree</b>                        | IEC IP67                   |
| <b>Agency Approvals</b>                         | UL file 328811             |
| <b>Temperature Range</b>                        | -25 to 70°C [-13 to 158°F] |
| <b>Fiber Materials</b>                          | PMMA                       |
| <b>Sleeve Materials</b>                         | Polyethylene               |
| <b>Head Materials</b>                           | Nickel-plated brass        |



## CF-TB2-20 Through-beam

### CF-TB2-20

|                                                 |                            |
|-------------------------------------------------|----------------------------|
| <b>Part Number</b>                              | CF-TB2-20                  |
| <b>Price</b>                                    | \$39.50                    |
| <b>Optical Fiber Core Ø</b>                     | 1mm [0.039 in]             |
| <b>Sensing Distance with DFT and DFP Series</b> | 700mm [27.56 in]           |
| <b>Fiber Length (L)</b>                         | 2.0 m [78.74 in] ea. piece |
| <b>Fiber Bending Radius</b>                     | 25mm [0.98 in]             |
| <b>Free Cut</b>                                 | Yes                        |
| <b>Head Size</b>                                | M4                         |
| <b>Thread Pitch</b>                             | 0.7 mm                     |
| <b>Protection Degree</b>                        | IEC IP67                   |
| <b>Agency Approvals</b>                         | UL file E328811            |
| <b>Temperature Range</b>                        | -25 to 70°C [-13 to 158°F] |
| <b>Fiber Materials</b>                          | PMMA                       |
| <b>Sleeve Materials</b>                         | Polyethylene               |
| <b>Head Materials</b>                           | Nickel-plated brass        |

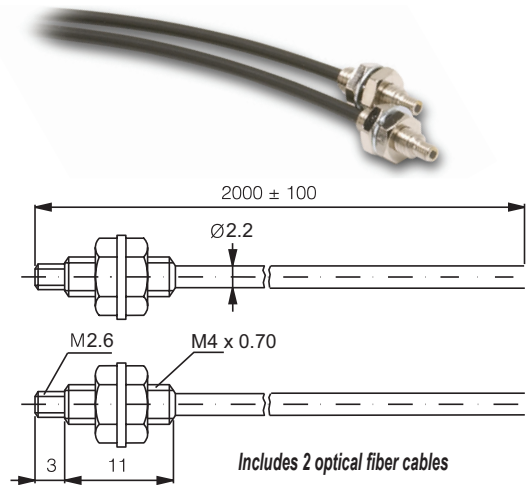


# Cuttable Optical Fibers (2.2 mm Diameter)

## CF-TB3-20 Through-beam

### CF-TB3-20 Specifications

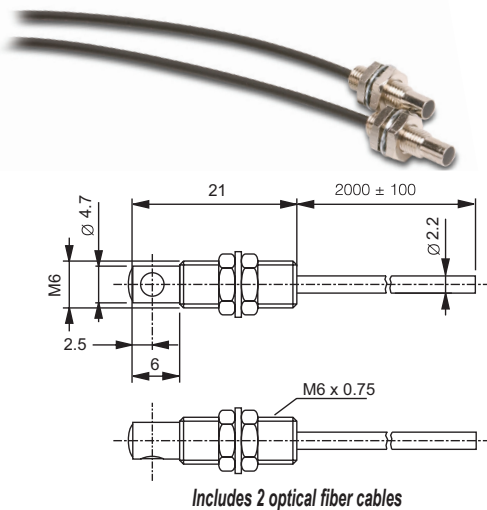
|                                                 |                            |
|-------------------------------------------------|----------------------------|
| <b>Part Number</b>                              | CF-TB3-20                  |
| <b>Price</b>                                    | \$63.00                    |
| <b>Optical Fiber Core Ø</b>                     | 1.5 mm [0.06 in]           |
| <b>Sensing Distance with DFT and DFP Series</b> | 900mm [35.43 in]           |
| <b>Fiber Length (L)</b>                         | 2.0 m [78.74 in] ea. piece |
| <b>Fiber Bending Radius</b>                     | 40mm [1.57 in]             |
| <b>Free Cut</b>                                 | Yes                        |
| <b>Head Size</b>                                | M4                         |
| <b>Thread Pitch</b>                             | 0.7 mm                     |
| <b>Protection Degree</b>                        | IEC IP67                   |
| <b>Agency Approvals</b>                         | UL file E328811            |
| <b>Temperature Range</b>                        | -25 to 70°C [-13 to 158°F] |
| <b>Fiber Materials</b>                          | PMMA                       |
| <b>Sleeve Materials</b>                         | Polyethylene               |
| <b>Head Materials</b>                           | Nickel-plated brass        |



## CF-TB4-20 90° Through-beam

### CF-TB4-20 Specifications

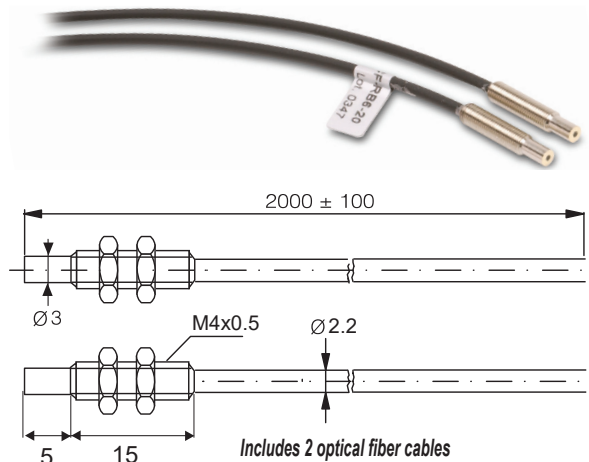
|                                                 |                            |
|-------------------------------------------------|----------------------------|
| <b>Part Number</b>                              | CF-TB4-20                  |
| <b>Price</b>                                    | \$79.00                    |
| <b>Optical Fiber Core Ø</b>                     | 1.0 mm [0.039 in]          |
| <b>Sensing Distance with DFT and DFP Series</b> | 1800mm [70.87 in]          |
| <b>Fiber Length (L)</b>                         | 2.0 m [78.74 in] ea. piece |
| <b>Fiber Bending Radius</b>                     | 25mm [0.98 in]             |
| <b>Free Cut</b>                                 | Yes                        |
| <b>Head Size</b>                                | M6                         |
| <b>Thread Pitch</b>                             | 0.75 mm                    |
| <b>Protection Degree</b>                        | IEC IP67                   |
| <b>Agency Approvals</b>                         | UL file E328811            |
| <b>Temperature Range</b>                        | -25 to 70°C [-13 to 158°F] |
| <b>Fiber Materials</b>                          | PMMA                       |
| <b>Sleeve Materials</b>                         | Polyethylene               |
| <b>Head Materials</b>                           | Nickel-plated brass        |



## CF-RB6-20 Through beam

### CF-RB6-20 Specifications

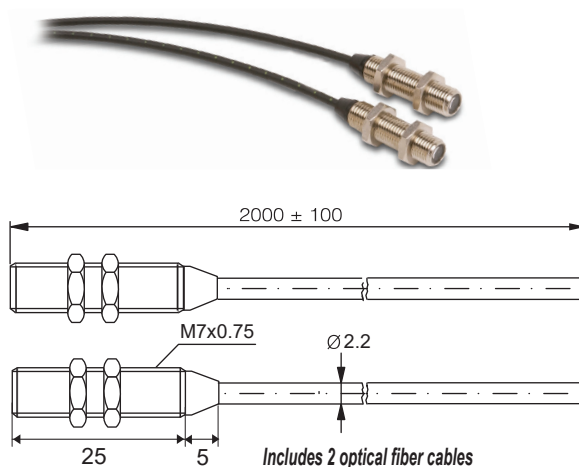
|                                         |                            |
|-----------------------------------------|----------------------------|
| <b>Part Number</b>                      | CF-RB6-20                  |
| <b>Price</b>                            | \$29.00                    |
| <b>Optical Fiber Core Ø</b>             | 1.0 mm [0.039 in]          |
| <b>Sensing Distance with SSF Series</b> | 120mm [4.72 in]            |
| <b>Fiber Length (L)</b>                 | 2.0 m [78.74 in] ea. piece |
| <b>Fiber Bending Radius</b>             | 25mm [0.98 in]             |
| <b>Free Cut</b>                         | Yes                        |
| <b>Head Size</b>                        | M4                         |
| <b>Thread Pitch</b>                     | 0.50 mm                    |
| <b>Protection Degree</b>                | IEC IP67                   |
| <b>Temperature Range</b>                | -40 to 70°C [-40 to 158°F] |
| <b>Fiber Materials</b>                  | PMMA                       |
| <b>Sleeve Materials</b>                 | Polyethylene               |
| <b>Head Materials</b>                   | Nickel-plated brass        |



# Cuttable Optical Fibers (2.2 mm Diameter)

## CF-RBA-20 Through-beam with Lenses

| CF-RBA-20 Specifications         |                            |
|----------------------------------|----------------------------|
| Part Number                      | CF-RBA-20                  |
| Price                            | \$50.00                    |
| Optical Fiber Core Ø             | 1.0 mm [0.039 in]          |
| Sensing Distance with SSF series | 1200mm [47.24 in]          |
| Fiber Length (L)                 | 2.0 m [78.74 in] ea. piece |
| Fiber Bending Radius             | 25mm [0.98 in]             |
| Free Cut                         | Yes                        |
| Head Size                        | M7                         |
| Thread Pitch                     | 0.75 mm                    |
| Protection Degree                | IEC IP67                   |
| Temperature Range                | -40 to 70°C [-40 to 158°F] |
| Fiber Materials                  | PMMA                       |
| Sleeve Materials                 | Polyethylene               |
| Head Materials                   | Nickel-plated brass        |



## Characteristic Curves

