

# Fiber Optic Cables for UV-VIS-NIR

- **Single strand, multimode fiber optic cables** are available with SMA905 connectors, ¼ inch dia. steel mono-coil armor with black PVC jacket. Sizes include 400, 600, or 1000µm core diameters
- **Standard lengths** are 1 and 2 meters
- **Custom lengths** are available with a minimum price of a 1 meter fiber (extra delivery time also)
- **Solarization resistant** fibers available for deep UV applications below 300nm in all diameters
- **High OH fibers (190-850 nm)** are needed for UV and UV-VIS applications below 400nm
- **Low OH fibers (400-2200 nm)** are needed for VIS-NIR applications. They offer lowest possible internal light attenuation. Intended for applications with long fiber lengths.
- **Specialty fibers for various applications**
  - Y-cables to couple 2 spectrometer systems
  - Y-bundled cables to couple 2 light sources
  - 1 to 3 splitter cable
  - Custom fibers to meet your application



**Armored Fiber Optic Cable Splitter 1-TO-3**

## 400 µm Fibers

| Item           | Description   | Price |
|----------------|---|-------|
| F400-UVVis-SR  | Armored, 2 meters, Solarization Resistant fiber optic cable           | \$145 |
| F400-VISNIR    | Armored, 2 meters, fiber optic cable                                  | \$115 |
| F400-per meter | Price per additional meter, armored with black PVC jacket             | \$40  |
| F400YBNIRUVSR  | Y-cable bundle, 0.5 meter, 4 SR & 3 NIR fibers connects SL1+SL3 lamps | \$250 |

## 600 µm Fibers

| Item           | Description   | Price |
|----------------|---|-------|
| F600-UVVis-SR  | Armored, 2 meters, Solarization Resistant fiber optic cable           | \$190 |
| F600-VisNIR    | Armored, 2 meters, fiber optic cable                                  | \$140 |
| F600-per meter | Price per additional meter, armored with black PVC jacket             | \$90  |
| F600-Y-VISNIR  | Armored Y cable, 1 meter, 1 SMA to 2 SMA, all for NIR                 | \$280 |
| F600-Y-UVSRNIR | Armored Y cable, 1 meter, 1 SMA to 2 SMA, SR+NIR                      | \$380 |
| F600-1TO3-SR   | Armored splitter, 1 meter, 1 SMA to 3 SMA, all Solarization Resistant | \$365 |

## 1000 µm Fibers

| Item             | Description  | Price |
|------------------|--|-------|
| F1000-UVVis-SR-1 | Armored, 1 meter, 1000µm, Solarization Resistant fiber optic cable | \$170 |
| F1000-VISNIR-1   | Armored, 1 meter, 1000µm fiber optic cable                         | \$160 |
| F1000-per meter  | Price per additional meter, armored with black PVC jacket          | \$150 |

| Specifications            |                           |                          |                             |
|---------------------------|---------------------------|--------------------------|-----------------------------|
| <b>Weight</b>             | Varies on length/diameter | <b>Fiber material</b>    | Silica core - silica clad   |
| <b>Length</b>             | 1 – 2 meter, or custom    | <b>Diameter</b>          | 400 µm or 600 um or 1000 µm |
| <b>Spectral range</b>     | 190 – 2200nm              | <b>Connectors</b>        | SMA 905                     |
| <b>Numerical aperture</b> | 0.22 NA                   | <b>Temperature range</b> | 0 – 50 Deg C                |