



## Carbon Fiber Overexpanded

### Carbon Fiber Sleeve For High Strength Tubular Structures

Fabricators know that resin coated carbon fiber structures are stronger and lighter than virtually any other construction types. Carbon fiber construction techniques are appearing in everything from state-of-the-art military and aerospace airframes to hockey sticks, fishing rods and model cars.

Our CF braided sleeving provides a strong, biaxial carbon fiber matrix for stiff, lightweight tubular structures up to 3" in diameter without seams or overlap. The tightly braided .050 thick flexible sleeving will form itself to accommodate elliptical or assymetrical profiles and provide the full coverage required for radial stability and torsional strength. Carbon fiber constructions can be cut, drilled, sanded and tooled with commonly available power or hand tools. They can be painted or left with the braid structure exposed.



Strong, lightweight and stable carbon fiber tubes are easy to machine and finish, and mate well with metal fittings.

| Nominal Size  | Part # | Expansion Range |      | Standard Spool Put-Ups |            | Available Colors | Lbs/100' |
|---|--------|-----------------|------|------------------------|------------|------------------|----------|
|   |        | Min.            | Max. | Bulk Spool             | Mini Spool |                  |          |
| Contact our Product Engineering staff for assistance with product specific construction requirements such as custom diameters, wall thicknesses, braiding patterns and material combinations. |        |                 |      |                        |            |                  |          |

**Over  
expanded**  
Braided Sleeving

### Extra Expansion for Easy Application

Techflex Overexpanded FLEXPET has many uses where inexpensive bundling is the principal consideration. Created to provide a fast easy bundling solution for automotive and marine wiring.

Overexpanded opens nearly 4 to 1 making it very easy to apply. The open construction allows the underlying harness or covering to show through for a unique and attractive assembly.

The material cuts with either scissors or a hot knife.



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|--------------|---------|-----------------|--------|------------------------|------------|--------------------------------|----------|
|              |         | Min.            | Max.   | Bulk Spool             | Mini Spool |                                |          |
| 3/8"         | PTO0.38 | 3/16"           | 1"     | 500'                   | 125'       | PP, NB, RD, NY, YL, CB, CL, BK | .52      |
| 1/2"         | PTO0.50 | 7/16"           | 1 3/8" | 500'                   | 100'       | CL, BK                         | .63      |

Material Technical Specs are the same as standard Flexo PET. See specs on page 46.



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