

# 811 Steel Braided and 910 Aramid Braided Super-Flex PTFE-Lined Hose

- Up to 3 times more flexible than standard hose • Average of 33% more cross-sectional flow area •
- Up to 67% lighter • Completely resistant to vapor penetration and chemical degradation •



**Type 811 PTFE-Lined Steel Braided Hose** is super-flexible. The bend radius is 2 to 3 times tighter than the our standard hose, which often allows for shorter hoses. The smooth-bore PTFE liner is compatible with all types of racing fluids and is much more resistant to fuel vapor penetration than rubber or nitrile hose. It can withstand a higher vacuum and higher temperatures (500°F vs 300°F) than standard hose. The stainless-steel outer braid has a copper-colored strand for easy identification. Rated temperature: -70°C to 260°C (-90°F to 500°F). **Sold by the foot.**



**Type 910 PTFE-Lined Aramid Braided Hose** is similar to Type 811 hose except it has a black aramid outer braid (similar to Kevlar®) rather than a steel outer braid. The result is a very lightweight hose. The abrasion-resistant Aramid braid has a yellow strand for easy identification. Type 910 Hose features the same tight bend radius, generous ID and vapor-resistant smooth-bore PTFE liner as used on Type 811 Hose. Continuous temperature rating: -45°C to 170°C (-49°F to 338°F). NHRA accepted. **Sold by the foot.**

| 811 Super-Flex PTFE Lined Steel Braided Hose |           |           |                 |             |                |          |               |
|--|-----------|-----------|-----------------|-------------|----------------|----------|---------------|
| Hose Size                                    | Hose I.D. | Hose O.D. | Pressure Rating | Bend Radius | Weight per ft. | Part No. | Price per ft. |
| 4AN  | 0.27"     | 0.38"     | 1,320 psi       | 0.75"       | 0.66 oz.       | 3480-04  | \$11.29       |
| 6AN  | 0.38"     | 0.51"     | 1,180 psi       | 0.80"       | 1.51 oz.       | 3480-06  | \$12.99       |
| 8AN  | 0.50"     | 0.65"     | 1,030 psi       | 1.50"       | 3.12 oz.       | 3480-08  | \$20.29       |
| 10AN   | 0.63"     | 0.82"     | 955 psi         | 1.77"       | 3.76 oz.       | 3480-10  | \$25.99       |
| 12AN   | 0.75"     | 0.96"     | 880 psi         | 2.00"       | 4.30 oz.       | 3480-12  | \$31.99       |
| 16AN   | 1.00"     | 1.27"     | 740 psi         | 2.75"       | 6.77 oz.       | 3480-16  | \$43.99       |

| 910 Super-Flex PTFE Lined Aramid Braided Hose |           |           |                 |             |                |          |               |
|---|-----------|-----------|-----------------|-------------|----------------|----------|---------------|
| Hose Size                                     | Hose I.D. | Hose O.D. | Pressure Rating | Bend Radius | Weight per ft. | Part No. | Price per ft. |
| 4AN   | 0.27"     | 0.41"     | 1,320 psi       | 0.92"       | 0.59 oz.       | 3490-04  | \$21.29       |
| 6AN   | 0.38"     | 0.57"     | 1,180 psi       | 0.80"       | 0.95 oz.       | 3490-06  | \$21.29       |
| 8AN   | 0.50"     | 0.65"     | 1,030 psi       | 1.43"       | 1.52 oz.       | 3490-08  | \$23.79       |
| 10AN  | 0.63"     | 0.82"     | 955 psi         | 1.77"       | 2.16 oz.       | 3490-10  | \$33.49       |
| 12AN  | 0.75"     | 0.96"     | 880 psi         | 2.00"       | 3.14 oz.       | 3490-12  | \$41.49       |
| 16AN  | 1.00"     | 1.27"     | 740 psi         | 2.75"       | 5.12 oz.       | 3490-16  | \$59.49       |

**Please note:** Due to manufacturing limitations, the PTFE liner in Type 811 and Type 910 hose is not one continuous extrusion as on other types of hose. The liner consists of shorter lengths (20-30 feet, depending on hose size) which are spliced together. These splices are marked to be easy to spot because they should *never* be used in a hose. If you are ordering more than 20 feet of hose, let us know the minimum uninterrupted length you need. All lengths shorter than 20 feet will be uninterrupted, with no splices.

**Note: The hose ends shown here are for use with Type 811 and 910 hose only!**

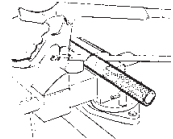


| Forged Swivel Hose Ends for 811 or 910 PTFE Hose |                                 |                                 |                                 |                                 |
|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Angle  | 6AN                             | 8AN                             | 10AN                            | 12AN                            |
| 45°  | Part No. 3484-06-045<br>\$24.99 | Part No. 3484-08-045<br>\$28.99 | Part No. 3484-10-045<br>\$34.99 | Part No. 3484-12-045<br>\$46.99 |
| 90°  | Part No. 3484-06-090<br>\$24.99 | Part No. 3484-08-090<br>\$28.99 | Part No. 3484-10-090<br>\$44.99 | Part No. 3484-12-090<br>\$46.99 |

| Bent Tube Swivel Hose Ends for 811 or 910 PTFE Lined Hose - Black / Silver |                                 |                                 |                                 |                                 |                                 |                                 |
|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Angle  | 4AN                             | 6AN                             | 8AN                             | 10AN                            | 12AN                            | 16AN                            |
| <b>Straight</b>  | Part No. 3481-04-000<br>\$13.99 | Part No. 3481-06-000<br>\$13.99 | Part No. 3481-08-000<br>\$24.99 | Part No. 3481-10-000<br>\$26.99 | Part No. 3481-12-000<br>\$28.99 | Part No. 3481-16-000<br>\$34.99 |
| <b>45°</b>   | Part No. 3481-04-045<br>\$22.99 | Part No. 3481-06-045<br>\$24.99 | Part No. 3481-08-045<br>\$29.99 | Part No. 3481-10-045<br>\$32.99 | Part No. 3481-12-045<br>\$39.99 | Part No. 3481-16-045<br>\$46.99 |
| <b>90°</b>   | Part No. 3481-04-090<br>\$23.99 | Part No. 3481-06-090<br>\$24.99 | Part No. 3481-08-090<br>\$29.99 | Part No. 3481-10-090<br>\$36.99 | Part No. 3481-12-090<br>\$41.99 | Part No. 3481-16-090<br>\$46.99 |
| <b>120°</b>  | Part No. 3481-04-120<br>\$33.99 | Part No. 3481-06-120<br>\$29.99 | Part No. 3481-08-120<br>\$35.99 | Part No. 3481-10-120<br>\$38.99 | Part No. 3481-12-120<br>\$42.99 | Not Available                   |
| <b>150°</b>  | Part No. 3481-04-150<br>\$33.99 | Part No. 3481-06-150<br>\$29.99 | Part No. 3481-08-150<br>\$34.99 | Part No. 3481-10-150<br>\$38.99 | Part No. 3481-12-150<br>\$42.99 | Not Available                   |
| <b>180°</b>  | Part No. 3481-04-180<br>\$33.99 | Part No. 3481-06-180<br>\$32.99 | Part No. 3481-08-180<br>\$36.99 | Part No. 3481-10-180<br>\$38.99 | Part No. 3481-12-180<br>\$44.99 | Part No. 3481-16-180<br>\$69.99 |

**Note:** The reusable fittings on this page are compatible with Type 811 and 910 Super-Flex PTFE lined hose only. They are not interchangeable with fittings for the standard racing hose shown on page 86.

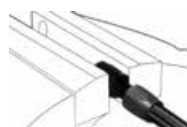
## Assembly Instructions for PTFE-Lined 811 Steel Braided Hose and 910 Aramid Braided Hose (Black / Silver Anodized Hose Ends)



**Step 1.** Cut the hose square to length using a Cut-off Machine or a very fine tooth hack-saw. To minimize wire braid flare out, wrap hose with glass filament strapping tape.



**Step 2.** Remove tape and then quickly insert hose into the socket. Insert hose with a turning motion, feeding the braid in as you turn the hose.



**Step 3.** Hold the fitting in a vice with smooth or soft jaws, and lubricate the threads with a light oil.



**Step 4.** Push the hose firmly onto the thread while rotating the hose. Keep turning the hose until the first three to four threads have engaged.



**Step 5.** Tighten socket using a wrench until it reaches the base of the thread. **IMPORTANT:** When the socket reaches the base of the thread keep turning for two complete turns.



**Step 6. Clean, proof test to twice operating pressure and carefully inspect all assemblies.** Disassemble in reverse order.

As a Factory Authorized Goodridge Technical Center, we also manufacture custom hoses with permanently crimped hose ends! Each hose is made in-house to your specifications and proof tested to ensure quality. Call us or check our website for details.