

Non-Dissipating



Everflex S-Series tube is reinforced with 304 or 316 stainless steel wire. All sizes are made from virgin Teflon™ fluoropolymer and have a minimum wall thickness of .040". That is 33% more material than most other manufacturers offer. The additional material results in improved bend radius, kink resistance, and slows permeation of gases. The minimum bend radius is measured in inches to the inside bend. Multiply the bend radius by 1.25 for dynamic applications.

Construction

- Non-conductive Teflon™ fluoropolymer inner tube
- One or two layers of stainless steel braid

Applications

- Steam
- Compressor discharge
- Chemical transfer

Temperature Range

- -54 °C to +230 °C
- (-65 °F to +450 °F)

| Number | Hose I.D. | | Hose O.D. | | Working Pressure | | Min. Burst | | Min. Bend | | Hose Weight | | Vacuum Service | Hose Ends |
|----------------------------------|-----------|------|-----------|------|------------------|-------|------------|--------|-----------|-------|-------------|--------|----------------|-----------|
| | mm | in | mm | in | bar | psi | bar | psi | mm | in | Kg/m | lbs/ft | In/HG | |
| S-3 | 3.2 | 0.13 | 6.8 | 0.27 | 241 | 3,500 | 965 | 14,000 | 25.4 | 1.00 | 0.07 | 0.05 | 28 | EverSwage |
| S-4 | 4.8 | 0.19 | 8.6 | 0.34 | 206 | 3,000 | 827 | 12,000 | 38.1 | 1.50 | 0.12 | 0.08 | 28 | EverSwage |
| S-5 | 6.4 | 0.25 | 10.2 | 0.4 | 206 | 3,000 | 827 | 12,000 | 50.8 | 2.00 | 0.13 | 0.09 | 28 | EverSwage |
| S-6 | 7.9 | 0.31 | 11.7 | 0.46 | 172 | 2,500 | 689 | 10,000 | 88.9 | 3.50 | 0.18 | 0.12 | 28 ‡ | EverSwage |
| S-8 | 10.4 | 0.41 | 14.7 | 0.58 | 137 | 2,000 | 551 | 8,000 | 114.3 | 4.50 | 0.22 | 0.15 | 28 ‡ | EverSwage |
| S-10 * | 12.7 | 0.50 | 17.3 | 0.68 | 120 | 1,750 | 482 | 7,000 | 127.0 | 5.00 | 0.30 | 0.20 | 28 ‡ | EverSwage |
| S-12 * | 15.7 | 0.62 | 20.3 | 0.8 | 103 | 1,500 | 413 | 6,000 | 152.4 | 6.00 | 0.34 | 0.23 | 28 ‡ | EverSwage |
| S-16 | 22.4 | 0.88 | 27.2 | 1.07 | 68 | 1,000 | 275 | 4,000 | 228.6 | 9.00 | 0.46 | 0.31 | 12 ‡ | EverSwage |
| S-16Z ◊ | 22.4 | 0.88 | 28.7 | 1.13 | 86 | 1,250 | 344 | 5,000 | 185.4 | 7.30 | 0.73 | 0.49 | 12 ‡ | EverSwage |
| S-20Z ◊ | 28.4 | 1.12 | 35.3 | 1.39 | 68 | 1,000 | 275 | 4,000 | 279.4 | 11.00 | 0.97 | 0.65 | 12 ‡ | EverSwage |
| 316 Stainless Steel Braid | | | | | | | | | | | | | | |
| S316-4 | 4.8 | 0.19 | 8.6 | 0.34 | 206 | 3,000 | 827 | 12,000 | 38.1 | 1.50 | 0.12 | 0.08 | 28 | EverSwage |
| S316-6 | 7.9 | 0.31 | 11.7 | 0.46 | 172 | 2,500 | 689 | 10,000 | 88.9 | 3.50 | 0.18 | 0.12 | 28 ‡ | EverSwage |
| S316-8 | 10.4 | 0.41 | 14.7 | 0.58 | 103 | 1,500 | 414 | 6,000 | 114.3 | 4.50 | 0.22 | 0.15 | 28 ‡ | EverSwage |
| S316-12 | 15.7 | 0.62 | 20.1 | 0.78 | 86 | 1,250 | 345 | 5,000 | 152.4 | 6.00 | 0.34 | 0.23 | 28 ‡ | EverSwage |
| S316-16 | 22.4 | 0.88 | 27.2 | 1.07 | 62 | 900 | 248 | 3,600 | 228.6 | 9.00 | 0.46 | 0.31 | 12 ‡ | EverSwage |

The 316 stainless braided hose can be used in marine applications and other environments where corrosion is an issue.

WARNING: These hoses can be used to convey hazardous chemicals, steam, hot liquids, or other dangerous materials which can cause death, serious bodily injury including burns, pressure wounds, or chemical exposure if released accidentally. They should only be handled or worked on by personnel properly trained in the safe handling of the materials or chemicals conveyed in the hoses.

◊ "Z" designates a double braid of 304 stainless steel wire.

* The operating pressure of 1/2" I.D. hoses are lowered to 1500 psi and 5/8" I.D. hoses are lowered to 1250 psi when brass EverSwage fittings are used.

‡ Maximum negative pressure for -16 and larger are suitable for hose which has suffered no external damage or kinking. If greater negative pressures are required for -16 and larger hoses, the use of an internal support coil is recommended. Use of an internal support coil in -06 and larger hose is recommended for tube support where extended or continuous service at high temperature together with low or negative pressure is expected. For a list of internal support coils available, see page G-3.

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SC Series Smooth Bore



Static Dissipating



SC-Series** hose is identical to the S-Series with one exception. SC hose has an internal conductive static dissipating tube that provides a path to the hose end fittings for applications where flow induced electrostatic charges can occur. The minimum bend radius is measured in inches to the inside bend. Multiply the bend radius by 1.25 for dynamic applications.

** Carbon black used meets the requirements of 21CFR178.3297 for FDA compliance

| Construction | Applications | Temperature Range |
|--|--|--|
| <ul style="list-style-type: none"> Conductive Teflon™ fluoropolymer inner tube One or two layers of stainless steel braid A minimum wall thickness of .040" | <ul style="list-style-type: none"> Steam Compressor discharge Chemical transfer | <ul style="list-style-type: none"> -54 °C to +230 °C (-65 °F to +450 °F) |

| Number | Hose I.D. | | Hose O.D. | | Working Pressure | | Min. Burst | | Min. Bend | | Hose Weight | | Vacuum Service | Hose Ends |
|---------|-----------|------|-----------|------|------------------|-------|------------|--------|-----------|------|-------------|--------|----------------|-----------|
| | mm | in | mm | in | bar | psi | bar | psi | mm | in | Kg/m | lbs/ft | In/HG | |
| SC-3 | 3.2 | 0.13 | 6.8 | 0.27 | 241 | 3,500 | 965 | 14,000 | 25.4 | 1.00 | 0.07 | 0.05 | 28 | EverSwage |
| SC-4 | 4.8 | 0.19 | 8.6 | 0.34 | 206 | 3,000 | 827 | 12,000 | 38.1 | 1.50 | 0.12 | 0.08 | 28 | EverSwage |
| SC-5 | 6.4 | 0.25 | 10.2 | 0.4 | 206 | 3,000 | 827 | 12,000 | 50.8 | 2.00 | 0.13 | 0.09 | 28 | EverSwage |
| SC-6 | 7.9 | 0.31 | 11.7 | 0.46 | 172 | 2,500 | 689 | 10,000 | 88.9 | 3.50 | 0.18 | 0.12 | 28 ‡ | EverSwage |
| SC-8 | 10.4 | 0.41 | 14.7 | 0.58 | 137 | 2,000 | 551 | 8,000 | 114.3 | 4.50 | 0.22 | 0.15 | 28 ‡ | EverSwage |
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| SC-16 | 22.4 | 0.88 | 27.2 | 1.07 | 68 | 1,000 | 275 | 4,000 | 228.6 | 9.00 | 0.46 | 0.31 | 12 ‡ | EverSwage |

| 316 Stainless Steel Braid | | | | | | | | | | | | | | |
|---------------------------|------|------|------|------|-----|-------|-----|--------|-------|------|------|------|------|-----------|
| SC316-4 | 4.8 | 0.19 | 8.6 | 0.34 | 206 | 3,000 | 827 | 12,000 | 38.1 | 1.50 | 0.12 | 0.08 | 28 | EverSwage |
| SC316-6 | 7.9 | 0.31 | 11.7 | 0.46 | 172 | 2,500 | 689 | 10,000 | 88.9 | 3.50 | 0.18 | 0.12 | 28 ‡ | EverSwage |
| SC316-8 | 10.4 | 0.41 | 14.7 | 0.58 | 103 | 1,500 | 414 | 6,000 | 114.3 | 4.50 | 0.22 | 0.15 | 28 ‡ | EverSwage |
| SC316-12 | 15.7 | 0.62 | 20.1 | 0.78 | 86 | 1,250 | 345 | 5,000 | 152.4 | 6.00 | 0.34 | 0.23 | 28 ‡ | EverSwage |
| SC316-16 | 22.4 | 0.88 | 27.2 | 1.07 | 62 | 900 | 248 | 3,600 | 228.6 | 9.00 | 0.46 | 0.31 | 12 ‡ | EverSwage |

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Need a new or replacement hose?
 McGill can help identify the right hose, fittings, and assembly for your application.
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