

ENGINEERING
TOMORROW

Danfoss

Product Details

Synflex Eclipse Air Brake Tubing **overshadows the competition**



Synflex
by Danfoss



Applications

- Truck Air Brake Systems
- Trailer Air Brake Systems
- Auxiliary Air Systems
- Formed Tubes
- Formed and Straight Air Brake Harness Assemblies

Construction

- Distinctive patented construction (Pat. No. 6,670,004)
- 100% polyamide construction with polyester yarn reinforcement UV Stabilized
- Thermoformable
- Available in standard and custom colors
- Available in all standard sizes

Temperature Range

Synflex® Eclipse™ Air Brake Tubing is designed for a wider operating temperature range than traditional nylon tubing: -65 °F to 200 °F (-54 °C to 93 °C)

Standard Compliance

Meets SAE J844, J1131, J2494-3, and DOT-FMVSS 106

Features / Benefits

• Superior Abrasion Resistance

Synflex Eclipse significantly outperforms rubber and Nylon11. As a result, Synflex Eclipse tubing has a longer service life in the harshest environments.

• Ease of Cutting

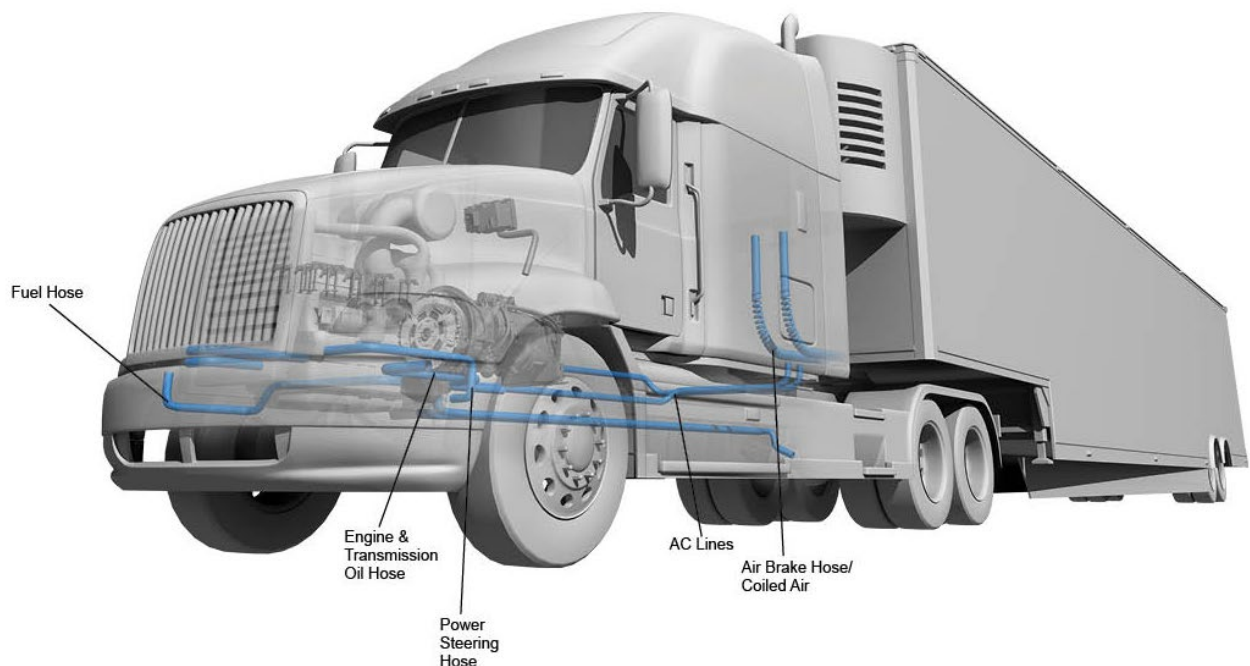
The unique construction of Synflex Eclipse tubing promotes burr free cuts, which yields improved assemblies with either push-to-connect or compression fittings.

• Enhanced Flexibility and Extension

Synflex Eclipse tubing has improved flexibility over other nylon tubing. This translates into easier installation and handling at low temperatures.

• Flow Performance

With improved flow performance over traditional rubber and nylon, Synflex Eclipse Air Brake Tubing enhances brake timing performance.

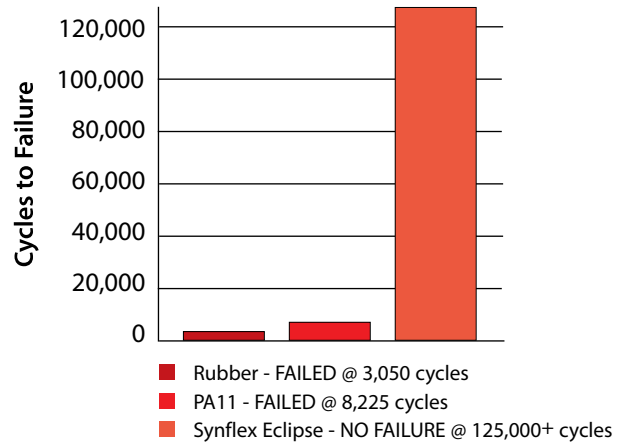


Synflex Eclipse Air Brake Tubing

Performance Comparison Data

Abrasion Resistance Test Results -

Synflex Eclipse significantly outperforms rubber and Nylon11



Product Specifications

Synflex Eclipse Type A Air Brake Tubing

Synflex Eclipse by Danfoss 4245

| Part Number | Nominal O.D. | | Nominal I.D. | | Min. Bend Radius | | Nominal Wall Thickness | | Min. Burst Pressure | | Weight | |
|-------------|--------------|------|--------------|-------|------------------|-------|------------------------|-------|---------------------|-------|--------|-------|
| | mm | in | mm | in | mm | in | mm | in | kpa | psi | KG | LBS |
| | | | | | | | | | | | 100m | 100ft |
| 4245-022 | 3.18 | 1/8 | 2.01 | 0.079 | 6.35 | 1/4 | 0.58 | 0.023 | 6,900 | 1,000 | 0.49 | 0.33 |
| 4245-025 | 3.96 | 5/32 | 2.34 | 0.092 | 12.70 | 1/2 | 0.79 | 0.031 | 8,300 | 1,200 | 0.83 | 0.56 |
| 4245-033 | 4.77 | 3/16 | 2.97 | 0.117 | 19.05 | 3/4 | 0.89 | 0.035 | 8,300 | 1,200 | 1.06 | 0.71 |
| 4245-041 | 6.35 | 1/4 | 4.32 | 0.170 | 25.40 | 1 | 1.02 | 0.040 | 8,300 | 1,200 | 1.77 | 1.19 |
| 4245-052 | 7.95 | 5/16 | 5.89 | 0.232 | 28.58 | 1-1/8 | 1.02 | 0.040 | 6,900 | 1,000 | 2.29 | 1.54 |

Synflex Eclipse Type B Air Brake Tubing

Synflex Eclipse by Danfoss 3270

| Part Number | Nominal O.D. | | Nominal I.D. | | Min. Bend Radius | | Nominal Wall Thickness | | Min. Burst Pressure | | Weight | |
|-------------|--------------|-----|--------------|-------|------------------|-----|------------------------|-------|---------------------|-------|--------|-------|
| | mm | in | mm | in | mm | in | mm | in | kpa | psi | KG | LBS |
| | | | | | | | | | | | 100m | 100ft |
| 3270-06 | 9.53 | 3/8 | 6.38 | 0.251 | 38.10 | 1.5 | 1.57 | 0.062 | 9,700 | 1,400 | 4.20 | 2.80 |
| 3270-08 | 12.70 | 1/2 | 9.55 | 0.376 | 50.80 | 2.0 | 1.57 | 0.062 | 6,600 | 950 | 5.80 | 3.80 |
| 3270-10 | 15.88 | 5/8 | 11.20 | 0.441 | 63.50 | 2.5 | 2.34 | 0.092 | 6,200 | 900 | 10.40 | 7.00 |
| 3270-12 | 19.05 | 3/4 | 14.38 | 0.566 | 76.20 | 3.0 | 2.34 | 0.092 | 5,500 | 800 | 12.80 | 8.60 |



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