

DIAMETERS

- 1.50In/38mm
- 1.75In/45mm

CARRY-LITE®

Designed as the most easily advanced high rise attack hose.

- » Light weight yet rugged with the lowest drag coefficient, for RIT and high rise fire fighting
- » Optional Mertex Wayout® couplings
- » Available with the Identify® recessed area for color coding, bar coding and/or identification markings
- » Highly flexible and snag resistant due to unique inner bonding process of the outer jacket, which locks outer fibers in place
- » Unique Mertex® lining
- » Premium all synthetic double jacket
- » Available with Permatek HP™ treatment against abrasion, moisture pick up and mildew
- » Resistant to most chemicals, petrol products, ozone and U.V. exposure, hydrolysis, rot and mildew
- » All sizes and colors are tested according to the procedures specified in "2020 UL 19 radiant heat test"

clear

tan

black

orange

red

blue

green

yellow

purple

| Hose Spec. | Trade Size | | Bowl Size | | Weight Un-coupled 50' (15.2m) | | Coil Diameter 50' (15.2m) | | Service Pressure | | Proof Pressure | | Burst Pressure | |
|------------|------------|----|-----------|----|-------------------------------|-----|---------------------------|------|------------------|-------|----------------|-------|----------------|-------|
| | In. | mm | In. | mm | Lbs | Kg | In. | Cm. | PSI | kPa | PSI | kPa | PSI | kPa |
| 405 | 1.50 | 38 | 1 3/4 | 44 | 10.5 | 4.8 | 12.0 | 30.5 | 300 | 2 070 | 600 | 4 140 | 900 | 6 200 |
| 406 | 1.75 | 44 | 2 | 51 | 12.0 | 5.5 | 14.0 | 35.6 | 300 | 2 070 | 600 | 4 140 | 900 | 6 200 |




**MERCEDES
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Innovation delivered.™

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HOW TO SPECIFY CARRY-LITE®

**THE HOSE SHALL BE DOUBLE JACKET WITH
SERVICE TEST PRESSURES AS SPECIFIED ON
THE PREVIOUS PAGE**

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JACKETS

Both inner and outer jackets shall be made with high tenacity filament polyester yarn in both the warp and weft directions, to provide maximum strength and very snag resistant.

The outer jacket shall have a minimum of 10 filament polyester weft yarn picks per inch (394 per Meter) and when requested shall be impregnated in one of the standard NFPA colors with high performance polymeric dispersion.

LINING

Both the inner and exterior jackets shall be lined using polyurethane that must be applied using a fused process that welds the polyurethane directly to the textile while the hose is being woven, without the use of adhesives or hot melt. The fused lining process must create a virtually inseparable unit without the use of adhesives, yielding an extremely low friction (pressure) loss by filling in the corrugations of the weave, creating an ultra thin and smooth waterway. Fire hose made using adhesives of any type do not meet this specification. The lining shall be approved for use with potable water.

ADHESION

The adhesion shall be such that the rate of separation of a 1 1/2" / 38mm strip of polyurethane, transversely cut, shall not be greater than 1/4" / 6mm per minute under a weight of 12 lbs / 5.5 kg.

COLD TEMPERATURE FLEXIBILITY

The hose must remain flexible to -65°F (-55°C).

SERVICE, TEST, BURST PRESSURES

Minimum service, test and burst pressures shall be as detailed in the specification table on the previous page.

KINK TEST

A full length will withstand a hydrostatic pressure of 600 psi / 4140 kPa while kinked.

WEIGHT

Each length of fire hose shall not weigh more than indicated in the specification table.

COUPLING SPECIFICATIONS

The female coupling shall have at least 3 reflective arrows, in order to be visible from any position. The reflective arrows must be engraved into and below the surface of the coupling, to resist abrasion. The arrows must point in the direction of the water source for a standard hose connection. The male coupling and female swivel nut must both have a recessed area to facilitate color and bar coding and/or identification markings.

Couplings shall be in conformance with the current NFPA standard and made of extruded aluminum, hard coated a minimum of .002" thick. They shall be manufactured in North America and permanently labeled with country of origin. They shall be expansion ring type.

MANUFACTURE

Both hose and couplings must be manufactured in North America and be USMCA compliant.

The hose must also be tested in accordance with the procedures specified in "2020 UL 19 radiant heat test".

INNOVATION DELIVERED.