

ATEX/ESD

# CARBOFLEX®/U.L./OHM

Conductive oil and petrol suction/discharge hose — for industrial cleaning and tank transport



Highly flexible oil and petrol suction and pressure hose, conductive on both core and outer cover. The inner tube in NBR (nitrile rubber) is oil- and petrol-resistant; the outer cover in CR (chloroprene) is abrasion- and ozone-resistant. With textile plies and a steel spiral, and a working pressure of 5 bar against 15 bar burst pressure. Designed for tank trucks, fuel supply and industrial cleaning machines — wherever flammable liquids need to be conveyed with full conductive dissipation.

**R:**  $<10^6 \Omega$

**Media:** Liquid

**Temp:** -40 °C to 90 °C

✓ Cut to length

## APPLICATIONS

- Tank truck loading/unloading of petrol, diesel and heating oil
- Fuel supply for generators, trucks and marine vessels
- Hydraulic oil transport in industrial cleaning
- Mineral oils and oil filling
- Oil extraction and tapping from industrial processes
- Pressure washing and high-pressure systems with flammable liquids
- Screening machines and separation systems in environmental technology

## Technical specifications

<b>Material</b>	Inner tube: NBR (nitrile rubber). Outer cover: CR (chloroprene)
<b>Colour</b>	Black (core and outer cover)
<b>Wall construction</b>	Smooth interior, shallow corrugated outer cover, textile plies + steel spiral
<b>Spiral material</b>	steel spiral with textile plies
<b>Conveying media</b>	Liquid
<b>Temperature range</b>	-40 °C – 90 °C
<b>Short-term peak</b>	100 °C
<b>Electrical resistance</b>	<10 <sup>6</sup> Ω
<b>Cut to length</b>	Yes
<b>Manufacturer SKU</b>	3354

### Standards and compliance

en-iso-1307, trbf-131, REACH, RoHS

## Dimensions and ordering

The hose is supplied in 4 standard sizes from inner Ø 51.0 mm to 152.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Burst [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
51	62	5.5	5	15	0.9	130	40	1.38	40	3354050000
76	88	6	5	15	0.9	190	40	2.24	40	3354075000
102	115	6.5	5	15	0.9	255	40	3.29	40	3354100000
152	169	8.5	5	15	0.9	460	20	6.34	20	3354150000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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## Contact and advisory

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