

ATEX/ESD

CARBOFLEX®/EN

Oil-resistant suction and pressure hose — conductive, for fuel in tanks, ships and industry



Oil-resistant suction and pressure hose with steel spiral, highly flexible. NBR inner tube tolerates fuels up to 50% aromatic content. Working pressure PN 16 bar. Electrically conductive ($<10^6 \Omega$ on inner and outer cover). Compliant with EN 1761:1999 and EN 12115:2021 (tank truck hoses for flammable liquids) plus TRbF 131, Part 2, § 5.5 (German Technical Rules for Flammable Liquids). Designed for fuel transfer between tanks, ships and fixed installations.

R: $<10^6 \Omega$

Media: Liquid

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Fuel transfer between tanks
- Ship bunkering (suction and pressure)
- Tank truck solutions for flammable liquids
- Fixed installations for fuel distribution

Technical specifications

Material	NBR inner tube, steel spiral, wrapped outer cover
Colour	Black
Wall construction	Smooth interior, wrapped outer cover, steel spiral
Spiral material	steel
Conveying media	Liquid
Temperature range	-40 °C – 90 °C
Short-term peak	100 °C
Electrical resistance	<10 ⁶ Ω
Cut to length	Yes
Manufacturer SKU	3356

Standards and compliance

en-1761, en-12115, trbf-131, REACH, RoHS

Dimensions and ordering

The hose is supplied in 7 standard sizes from inner Ø 25.0 mm to 100.0 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.
25	37	6	16	64	0.9	150	40	0.9	40	3356025000
32	44	6	16	64	0.9	175	40	1.05	40	3356032000
38	51	6.5	16	64	0.9	225	40	1.37	40	3356038000
50	66	8	16	64	0.9	275	40	2.2	40	3356050000
63	79	8	16	64	0.9	300	40	2.7	40	3356063000
75	91	8	16	64	0.9	350	40	3.17	40	3356075000
100	116	8	16	64	0.9	450	40	4.58	40	3356100000

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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