

ATEX/ESD

CARBOFLEX®/OHM/10

Conductive oil and petrol hose — robust 10 bar working pressure for demanding industrial cleaning



Oil-resistant suction and pressure hose with steel spiral, robust and flexible, designed as a tanker hose for industrial cleaning under demanding operating conditions. Inner tube in NBR (nitrile rubber), outer cover in SBR/EPDM, with textile plies and a steel spiral. Conductive core and antistatic outer cover. Working pressure 10 bar, burst pressure 30 bar — markedly higher than the lighter CARBOFLEX®/U.L./OHM variant.

R: $<10^6 \Omega$

Media: Liquid

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- High-pressure cleaning and washers with fuel and oil content
- Fuel supply under pressure to industrial generators
- Tank cleaning of tank trucks and storage tanks
- Mineral oils and oil filling under high pump load
- Oil extraction at elevated operating pressure
- Marine hoses on vessels with high pump pressure

Technical specifications

Material	Inner tube: NBR (nitrile rubber). Outer cover: SBR/EPDM
Colour	Black (core and outer cover)
Wall construction	Smooth interior, wrapped outer cover, textile plies + steel spiral
Spiral material	steel spiral with textile plies
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	3350

Standards and compliance

en-iso-1307, REACH, RoHS

Dimensions and ordering

The hose is supplied in 12 standard sizes from inner Ø 25.0 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.
25	36	5.5	10	30	0.9	55	40	0.84	40	3350025000
32	43	5.5	10	30	0.9	65	40	1	40	3350032000
38	51	6.5	10	30	0.9	80	40	1.37	40	3350038000
42	55	6.5	10	30	0.9	120	40	1.5	40	3350042000
45	58	6.5	10	30	0.9	130	40	1.6	40	3350045000
51	64	6.5	10	30	0.9	150	40	1.8	40	3350050000
63	78	7.5	10	30	0.9	200	40	2.5	40	3350063000
75	91	8	10	30	0.9	350	40	3.2	40	3350075000
90	106	8	10	30	0.9	370	40	3.7	40	3350090000
100	116	8	10	30	0.9	400	40	4.2	40	3350100000
127	144	8.5	10	30	0.9	500	20	5	20	3350125000
152	174	11	10	30	0.9	800	20	8.6	20	3350150000

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

Particulair

Højtoften 12
2690 Karlslunde, Denmark
CVR: 34129894

Phone: (+45) 70 23 12 03
E-mail: sales@particulair.com
Web: particulair.eu

Product page: particulair.eu/flexcore/en/atex-esd/carboflex-ohm-10/

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This datasheet is generated automatically from Particulair product data. All specifications are taken from the manufacturer's factsheet and are subject to change without notice. Prices and availability provided on request.