

FLAME-RETARDANT

CARBOCORD/EN 7840 A1

Fire-resistant fuel hose for boats — ISO 7840 A1 and SAE J1527



CARBOCORD/EN 7840 A1 is a fire-resistant fuel hose for boats and yachts. It meets ISO 7840:2018 type A1 and SAE J1527:2011 (USCG type A, class 1 and 2, style R1 and R2) and has the highest class of permeation resistance, meaning fuel escaping through the hose wall. The inner tube is black NBR, the reinforcement is a synthetic textile braid, and from 25 mm inner diameter upwards an embedded steel helix lets the hose work as a filling line and withstand vacuum. The temperature range is -30 to $+100$ °C. The hose comes in 12 sizes from 5 mm to 63 mm inner diameter.

Media: Liquid

Temp: -30°C to $+100^{\circ}\text{C}$

✓ Cut to length

APPLICATIONS

- Fuel lines from tank to engine on boats and yachts
- Filling hoses from deck filler to tank (style R2 with steel helix)
- Vent lines on fuel tanks
- Diesel installations on workboats and smaller vessels

Technical specifications

Material	Inner tube NBR, cover CR (neoprene)
Colour	Black
Wall construction	Smooth NBR inner tube, synthetic textile braid, steel helix above 25 mm, CR cover
Spiral material	steel
Conveying media	Liquid
Temperature range	-30°C – +100°C
Short-term peak	+100°C
Cut to length	Yes

Standards and compliance

iso-7840, sae-j1527, lloyds-register

Dimensions and ordering

The hose is supplied in 12 standard sizes from inner Ø 5 mm to 63 mm. Each size has its own article number. Standard roll lengths are 20, 40 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Burst [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
5	13	4	40	20	40	0.15	20, 40	
6.3	14.5	4.1	40	23	40	0.18	20, 40	
8	16	4	40	25	40	0.2	20, 40	
12.7	21	4.15	40	45	40	0.29	20, 40	
16	25	4.5	40	65	40	0.38	20, 40	
19	28.5	4.75	14	80	40	0.49	40	
25	35	5	40	110	40	0.6	20, 40	
32	42	5	14	128	40	0.96	40	
38	48	5	14	152	40	1.11	40	
40	50	5	14	160	40	1.16	40	
51	63	6	14	204	40	1.7	40	
63	75	6	14	252	40	2.14	40	

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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