



EC600

Core premium
four & six-wire spiral hose

Meets or exceeds: SAE J517 100R15 | ISO 18752

by Danfoss **EC600-12** 19.0 MM (0.75 IN) DN19 **Dura-Tuff X-Flex** EXCEEDS SAE 100R15 • ISO 18752 MSHA IC-84/19 • ABS • DNV-GL • USCG+ 420 BAR (6100 PSI) -40°C to +121°C / -40°F to +250°F Half Bend 1W 4S

Typical application:

Subsystems requiring SAE J517 100R15 compliant solutions for pressures up to 420 bar, such as high pressure hydraulic circuits in construction and mining equipment, or hydrostatic drives.

Agency specifications: MSHA IC-84/19 | ABS | DNV | USCG

Hose construction:	Inner Tube: Dura-Pulse™ compound	Reinforcement: Four-wire spiral (-12 to -16) Six-wire spiral (-24 to -32)	Cover: Dura-Tuff® Premium Abrasion
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Operating Temperature: -40°C to +121°C (-40°F to +250°F)

Qualified fittings: 4S and 6S fitting series for SAE100R15 ½ Bend & ISO18752-CC | 1W fitting series for SAE100R15 ½ Bend & ISO18752-DC | 4S fitting in sizes -12 and -16 and 6S fitting in size -20

PART #	SIZE DIMENSIONS				PRESSURE				BEND		WEIGHT	
	Hose I.D.		Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC600-12	19.1	0.75	32.2	1.27	420	6,100	1,680	24,400	135	5.31	1.52	1.01
EC600-16	25.4	1.00	38.6	1.52	420	6,100	1,680	24,400	165	6.5	2.04	1.36
EC600-20	31.8	1.25	49.7	1.96	420	6,100	1,680	24,400	225	8.86	3.89	2.61
EC600-24	38.1	1.50	58.5	2.30	420	6,100	1,680	24,400	265	10.43	4.83	3.24
EC600-32*	50.8	2.00	72.0	2.83	420	6,100	1,680	24,400	375	14.76	7.1	4.77

* O-32 size is qualified for 500,000 cycles (ISO 18752-CC)

* With the 6S fitting the -32 size working pressure is 380 bar (5500 psi) with a 4:1 safety factor

Core hose I.D.

- Premium
- Standard
- Braided
- **Spiral**
- High-Temp
- Low-Temp
- Abrasion
- Suction

MORE HIGHLIGHTS



Supports high pressure up to 420 bar



8x Higher Abrasion Resistance



Class 0 Leakage Fittings



Multi-bent fittings support up to 500 bar