



Aeroquip® by Danfoss EC600 hose



EC600 four and six wire spiral hose

Engineered for outstanding flexibility, our Aeroquip EC600 spiral hose is the go-to solution for applications that require easier and more cost-efficient spiral hose installation in tight spaces. As well as supporting the creation of more compact and fuel-efficient machines, our EC600 hose has also been rigorously tested up to 1 million impulse cycles with Danfoss 1W fittings. This long in-application life and outstanding flexibility is due to our ground-breaking Dura-Pulse™ inner tube technology.

Features:

- 66% better bend radius than SAE J517 100R15 standard and 24% lower force-to-bend
- Tested up to 1 million impulse cycles in sizes -12, -20 and -24 with 1W fittings
- Supports high pressure applications up to 420 bar
- 8X higher abrasion resistance with Danfoss Dura-Tuff® cover
- Compatible with both skive and non-skive fitting types. Use with Danfoss Global one-piece 1W or 4S fittings for Class 0 leakage according to SAEJ 1176
- Customized multi-bent fittings available that support working pressures up to 500 bar

Benefits:

- High flexibility enables faster, easier and more cost-efficient hose assembly installation
- Greater flexibility enables use in tight spaces, allowing more design freedom, lower assembly costs, and reduced machine weight that increases fuel-efficiency
- Long lifecycle in demanding applications maximizes machine uptime and lowers maintenance spending
- Higher abrasion resistance reduces hose failure, increasing in-application life and reducing maintenance costs
- High-performance fittings enable better sealing and leak-free operations, while compatibility with both skive and non-skive options enables more design freedom



Markets & Applications:

Demanding high pressure applications requiring SAE J517 100R15 compliant solutions at pressures up to 500 bar - including hydrostatic drives, direct drive steering systems and critical subsystems in off-highway equipment.

*than standard hose

EC600

Core premium
four and six wire spiral hose

Meets or exceeds: SAE 100R15 | EN 856 4SH | EN 856 R13 | ISO 18752



EC600-12

19.0 MM (0.75 IN)
DN19

Dura-Tuff
X-Flex

Exceeds SAE 100R15 • ISO 18752
MSHA IC-84/19 • ABS • DNV • USCG +

420 BAR (6100 PSI)

-40°C to +127°C
-40°F to +260°F

Half
Bend

1W 4S

#	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	19,0	0.75	32,2	1.27	420	6,100	1,680	24,400	135,0	5.31	1,52	1.01
EC600-16	25,4	1.00	38,6	1.52	420	6,100	1,680	24,400	165,0	6.5	2,04	1.36
EC600-20*	31,8	1.25	49,7	1.96	420	6,100	1,680	24,400	225,0	8.86	3,89	2.61
EC600-24*	38,1	1.50	57,5	2.26	420	6,100	1,680	24,400	265,0	10.43	4,83	3.24
EC600-32*	50,8	2.00	71,0	2.79	420	6,100	1,680	24,400	375,0	14.76	7,10	4.77

Agency specifications: ABS | DNV | MSHA | USCG

Hose construction:	Inner tube: Dura-Pulse patented inner tube	Reinforcement: Four wire spiral (-12, -16) Six wire spiral (-20 to -32)	Cover: DuraTUFF+ premium abrasion
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Operating temperature: -40°C to +127°C (-40°F to +260°F)

Qualified fittings: 4S series (-12 to -16) | 6S series (-20 to -32) | 1W series

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