

RELEASED	HOSE DESIGN SPECIFICATION	534-860
<u>GALAXY 4860</u>		



Tube - CR, Barrier - PA, Friction - NBR, Reinforcement - PET, Cover - IIR

Type of Hose:

A/C REFRIGERANT Hose

Temperature Range:

-40°C to 135°C

Refrigerant and Oil Compatibility:

Compatible with R-1234yf/R-134a refrigerants and Select PAG and POE compressor lubricants.

Size (inch)	5/16"	13/32"	1/2"	5/8"
DASH (-)	-6	-8	-10	-12
Inside Diameter -Nominal (mm)	DN8	DN10	DN13	DN16
Inside Diameter (mm)	8.2	10.8	13	16.1
ID Tolerance (+/- mm) ***	0.4	0.4	0.5	0.5
Outside Diameter (mm)	14.7	17.3	19.4	23.6
OD Tolerance (+/- mm) ***	0.5	0.5	0.5	0.5
Weight (g/m)	130	180	190	300
Burst Pressure (MPa)	>20	>20	>20	>18
Min Bending Radius-bulk hose^ (mm)	23	48	64	89
Bending Radius - formed hoses (mm)	NA	35	NA	50
Max Concentricity (mm)	0.8	0.8	0.8	0.8
Permeation (R-1234yf) kg/m2/yr**	0.3	N/A	0.1	0.2
Permeation (R-134a) kg/m2/yr*	1.9	1.3	1.3	1.2

^ Hose under vacuum 24°C, over mandrel to 20% reduction in OD, with natural curvature.

* As Published in SAE in 2012.

** Testing is ongoing. SAE submission planned for 2017.

*** ID/OD and tolerances are approximate. For exact dimension, contact plant where product is produced.

Hose Features and Benefits:

- Single Braid Barrier Hose
- Light Weight and Flexible
- Formable as 4868: Sizes 5/8 and 13/32 in current production.

OE/Organization	Standard	Type
FORD	ESDS7H-19B591-AA	C, Class I
PSA	B27-3010	
SAE	J3062	
GM	GMW14319	
Chrysler/Fiat	MS-EA-98	

Date: 8/25/2016	Revision: Original	Constructed: T Wills	Checked: G Douglass	Released: B. Henry	Page: 1 of 1
--------------------	-----------------------	-------------------------	------------------------	-----------------------	-----------------