



Silicone Charge Air Cooler Hose / 4-Ply Cool Side

Series 6824

Series 6824 is a 4-ply silicone Charge Air Cooler (CAC) hose designed to connect and align segments of the air charge system of a heavy duty engine. The air charge system manages the flow of the cool/hot air between the turbocharger and the engine; the cool side CAC hose transfers cool air from the turbocharger to the engine, allowing it to operate more efficiently. The hose also helps stabilize the system by compensating for vibrations. Series 6824 features a maximum temperature to +350°F (+176°C), and the blue color is used for color-coding the cool side of the system.

Tube:	Brick red silicone
Reinforcement:	Multiple high temperature textile plies with external stainless steel retaining rings
Cover:	Blue silicone, matte finish
Temp. Range:	-65°F to +350°F (-53°C to +176°C)
Brand Method:	Black ink
Brand Example:	PARKER SERIES 6824
Max. Rec. WP:	1/3 of minimum burst pressure shown in table below
Industry Standards:	None Applicable
Applications:	• Cool connection between engine charge air system components • Automobiles, buses, mobile/off-road equipment, trucks • Other equipment or vehicles with heating lines
Vacuum:	Not recommended
Compare to:	Purosil 784

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource. Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

# Part Number	 Size (in)	 ID (in)	 ID (mm)	 Reinf Layers	 OD (in)	 OD (mm)	 Approx Wt (lbs/ea)	 Approx Wt (kg/ea)	 Min Bend Rad (in)	 Min Bend Rad (mm)	 Min Burst Press (psi)	Min Burst Press (bar)	Std Pack Qty (ea)	Pkg Type
6824-30006000	3	3.00	76.2	4	3.32	84.3	0.52	0.77	n/a	n/a	80	6	6 x 6-in	Carton
6824-35006000	3-1/2	3.50	88.9	4	3.82	97.0	0.61	0.91	n/a	n/a	80	6	6 x 6-in	Carton
6824-40006000	4	4.00	101.6	4	4.32	109.7	0.70	1.04	n/a	n/a	80	6	6 x 6-in	Carton
6824-40008000	4	4.00	101.6	4	4.32	109.7	0.91	1.36	n/a	n/a	80	6	6 x 8-in	Carton