HEBEI YUYANG AUTO PARTS CO., LTD.

AUTOMOTIVE A/C HOSE SOLD BY THE METRE

Edition 2026-11 | 4 hose series | 20 sizes | SAE J2064

Bulk air-conditioning hose for R134a, R1234YF, R404a and R410a systems, supplied by the metre or cut to length. Four constructions cover passenger cars, commercial vehicles, buses and refrigerated transport.

Every size is listed with bore, outside diameter, wall thickness, working and burst pressure, minimum bend radius and weight per metre.

OUR FOUR PRODUCT LINES

A/C hose (sold by the metre) (this catalogue)	**A/C hose assemblies**
Air intake hoses	**Coolant / water hoses**

Prices are not shown in this catalogue.
Send us the size codes and the metres you need and we will issue a firm quotation within one working day.

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WORKING WITH US

Incoterm	EXW Xingtai, Hebei, China (Incoterms 2020). FCA / FOB on request.
Minimum order	100 metres per size for stocked items; 200 metres per size for made-to-order or custom specifications.
Lead time	3-7 days for stocked sizes; 15-25 days for production items.
Supply form	Continuous length on coil, or cut to your specified length. Roll packing and buyer labels available.
Samples	Available on request. Freight at buyer's account.
Packing	Standard export carton, neutral or buyer's mark.
Custom development	Hose can be made to your drawing, sample or OE number: bore, wall, reinforcement, cover colour and length.
Quotation	Issued against size codes and metre quantity. Quotation validity 30 days from issue.
Payment	T/T; terms confirmed on order.

HOW TO ORDER

1. Choose the series that matches your refrigerant and temperature range (see the comparison on the next page).
2. Give us the size codes (for example CA5-100) and the metres required per size.
3. Tell us the supply form: full coil, cut lengths, or crimped assemblies with fittings.
4. We confirm stock, MOQ and lead time, then issue a written quotation within one working day.

All dimensions in this catalogue are nominal. Confirm the required bore and fitting specification against your drawing or original part before placing an order.

SERIES AT A GLANCE

All four series are built to SAE J2064. Choose by refrigerant, wall thickness and operating temperature.

Series	Construction	Refrigerant	Temperature	W.P.	Burst (min.)	Sizes
CA5	5-layer thin wall	R134a / R1234YF	Standard duty	3.5 MPa	18.0 MPa	5
EA4	4-layer thin wall	R134a / R1234YF	-40 to +125 °C	3.5 MPa	18.0 MPa	6
CA9	5-layer thick wall	R134a / R1234YF	Heavy duty	3.5 MPa	18.0 MPa	3
EA48	Barrier lining, reinforced	R404a / R410a	-40 to +140 °C	3.5 MPa	15.0-18.0 MPa	6

WHICH SERIES TO PICK

- **CA5** - five-layer thin wall, the standard choice for passenger-car R134a / R1234YF systems where flexibility and easy routing matter.
- **EA4** - four-layer thin wall with a wide -40 to +125 °C range (peaks to +150 °C), for general automotive A/C lines.
- **CA9** - five-layer thick wall for trucks and commercial vehicles; the heavier EPDM cover adds abrasion and heat resistance.
- **EA48** - refrigerated trucks and transport freezers, permeation-tested with R404a / R410a and rated up to +140 °C.

CONTENTS

CA5 5-LAYER THIN WALL A/C HOSE 4

EA4 4-LAYER THIN WALL A/C HOSE 5

CA9 5-LAYER THICK WALL A/C HOSE 6

EA48 REFRIGERATED TRUCK A/C HOSE 7

CUSTOM A/C HOSE ASSEMBLIES 8

CA5 5-LAYER THIN WALL A/C HOSE

Passenger-car and light commercial A/C lines. The thin wall keeps weight and bend radius low, which makes routing easier in tight engine bays.





Product photographs are for illustration. Dimensions are controlled by the size chart below.

KEY SPECIFICATIONS

Standard	SAE J2064 / QC/T 664-2000
Refrigerant	R134a / R1234YF
Construction	5-layer: EPDM cover, PET braid, EPDM inner tube, PA barrier
Working pressure	3.5 MPa
Burst pressure	min. 18.0 MPa
Sizes	CA5-080 / 100 / 115 / 130 / 155 (I.D. 8.2-15.2 mm)
MOQ	100 metres per size (stocked); 200 metres per size (made-to-order)
Lead time	3-7 days for stocked sizes; 15-25 days for production items

CONSTRUCTION SIZE CHART

Part No.	I.D. (mm)	O.D. (mm)	Wall (mm)	W.P. (MPa)	Burst (MPa, min.)	Bend radius (mm, min.)	Weight (g/m)
CA5-080	8.2±0.3	15.2±0.5	3.5	3.5	18.0	55	141
CA5-100	10.2±0.3	17.2±0.5	3.5	3.5	18.0	65	163
CA5-115	11.2±0.3	18.4±0.4	3.6	3.5	18.0	70	180
CA5-130	13.2±0.3	20.8±0.4	3.8	3.5	18.0	75	221
CA5-155	15.2±0.3	22.8±0.5	3.8	1.5	12.0	85	248

TEST RECORD

Burst pressure measured 35 MPa (SAE J2064 requires min. 13.7 MPa); 7.0 MPa proof hold with no leakage; length change at 3.0 MPa within +2% / -4%.

EA4 4-LAYER THIN WALL A/C HOSE

General-purpose A/C hose with a four-layer construction and a PA barrier lining. Rated -40 °C to +125 °C with short peaks up to +150 °C.





Product photographs are for illustration. Dimensions are controlled by the size chart below.

KEY SPECIFICATIONS

Standard	SAE J2064 / QC/T 664-2000
Refrigerant	R134a / R1234YF
Temperature	-40°C to +125°C (max. +150°C)
Construction	4-layer: EPDM cover, PET braid, EPDM inner tube, PA barrier
Working pressure	3.5 MPa
Burst pressure	min. 18.0 MPa
Sizes	EA4-080 / 100 / 115 / 130 / 155 / 190 (I.D. 8.2-18.5 mm)
MOQ	100 metres per size (stocked); 200 metres per size (made-to-order)
Lead time	3-7 days for stocked sizes; 15-25 days for production items

CONSTRUCTION SIZE CHART

Part No.	I.D. (mm)	O.D. (mm)	Wall (mm)	W.P. (MPa)	Burst (MPa, min.)	Bend radius (mm, min.)	Weight (g/m)
EA4-080	8.2±0.3	15.2±0.4	3.5	3.5	18.0	55	140
EA4-100	10.2±0.3	17.2±0.4	3.5	3.5	18.0	65	164
EA4-115	11.2±0.3	18.4±0.4	3.6	3.5	18.0	70	179
EA4-130	13.2±0.3	20.8±0.4	3.8	3.5	18.0	75	220
EA4-155	15.2±0.3	22.8±0.4	3.8	1.5	12.0	85	245
EA4-190	18.5±0.3	27.5±0.5	4.5	1.5	12.0	100	370

TEST RECORD

Permeation max. 9.7 kg/m²/y class barrier construction; 7.0 MPa proof pressure with no leakage; length change at 3.0 MPa max. +2% / -4%.

CA9 5-LAYER THICK WALL A/C HOSE

Thick-wall five-layer hose for trucks, buses and commercial vehicles. The heavier EPDM cover resists abrasion and engine-bay heat.





Product photographs are for illustration. Dimensions are controlled by the size chart below.

KEY SPECIFICATIONS

Standard	SAE J2064 / QC/T 664-2000
Refrigerant	R134a / R1234YF
Construction	5-layer thick wall: EPDM cover, PET braid, EPDM inner tube, PA barrier
Working pressure	3.5 MPa
Burst pressure	min. 18.0 MPa
Sizes	CA9-080 / 100 / 130 (I.D. 8.2-13.0 mm)
MOQ	100 metres per size (stocked); 200 metres per size (made-to-order)
Lead time	3-7 days for stocked sizes; 15-25 days for production items

CONSTRUCTION SIZE CHART

Part No.	I.D. (mm)	O.D. (mm)	Wall (mm)	W.P. (MPa)	Burst (MPa, min.)	Bend radius (mm, min.)	Weight (g/m)
CA9-080	8.2±0.3	19.0±0.4	5.4	3.5	18.0	70	285
CA9-100	10.5±0.3	23.0±0.4	6.3	3.5	18.0	85	393
CA9-130	13.0±0.2	25.4±0.4	6.2	3.5	18.0	85	332

TEST RECORD

Burst pressure measured 35 MPa; 7.0 MPa proof hold without leakage or abnormality; wall-thickness eccentricity 0.15-0.33 mm (limit 0.4 mm).

EA48 REFRIGERATED TRUCK A/C HOSE

Built for refrigerated trucks and transport freezers. Permeation-tested with R404a / R410a at +80 °C and ageing-tested at +140 °C for 200 hours.





Product photographs are for illustration. Dimensions are controlled by the size chart below.

KEY SPECIFICATIONS

Standard	SAE J2064
Permeation test	R404a / R410a at +80°C, max. 9.7 kg/m²/y
Temperature	-40°C to +140°C
Construction	PA barrier lining, EPDM inner tube, PET yarn, EPDM cover
Working pressure	3.5 MPa
Burst pressure	min. 18.0 MPa (EA48-190: 15.0 MPa)
Sizes	EA48-080 / 107 / 127 / 161 / 190 / 222 (I.D. 8.2-22.2 mm)
MOQ	100 metres per size (stocked); 200 metres per size (made-to-order)
Lead time	3-7 days for stocked sizes; 15-25 days for production items

CONSTRUCTION SIZE CHART

Part No.	I.D. (mm)	O.D. (mm)	Wall (mm)	W.P. (MPa)	Burst (MPa, min.)	Bend radius (mm, min.)	Weight (g/m)
EA48-080	8.2±0.3	16.0±0.5	4.00	3.5	18.0	60	173
EA48-107	10.7±0.3	18.8±0.5	4.00	3.5	18.0	75	209
EA48-127	12.7±0.3	21.5±0.5	4.40	3.5	18.0	85	265
EA48-161	16.1±0.3	24.1±0.5	4.00	3.5	18.0	95	277
EA48-190	18.5±0.3	27.5±0.5	4.50	3.5	15.0	105	365
EA48-222	22.2 (+0.5/-0.2)	33.3±0.5	5.45	3.5	18.0	135	558

TEST RECORD

Permeation R404a / R410a at +80 °C max. 9.7 kg/m²/y; ageing +140 °C x 200 h passed; burst pressure measured 35 MPa.

CUSTOM A/C HOSE ASSEMBLIES

Crimped, leak-tested assemblies built to your drawing, sample or OE number.





Custom crimped A/C hose assemblies with aluminum fittings for R134a / R1234YF systems. Built to your drawing, sample or OE number; CA5 / CA9 / EA4 / EA48 hose series available. Lead time is confirmed against your drawing and fitting availability.

SPECIFICATION

Product type	Crimped A/C hose assembly (custom-made)
Hose series	CA5 / CA9 / EA4 / EA48 (SAE J2064)
Refrigerant	R134a / R1234YF
Fittings	Aluminum, per drawing / OE number
Testing	100% pressure / leakage tested
MOQ	100 pcs per part number (stocked); 200 pcs per part number (custom)
Lead time	3-7 days for stocked items; 15-25 days for custom production

WHAT WE NEED FROM YOU

1. Hose series and size code, or the required bore and working pressure.
2. Assembly length and end fittings (thread, flange, angle, aluminium or steel).
3. Refrigerant type and operating temperature range.
4. Drawing, sample photo or OE number, plus the quantity per assembly.

> All assemblies are 100% pressure and leakage tested before packing. Test reports and material certificates are available on request.

QUALITY & TESTING

- Built to **SAE J2064** and **QC/T 664-2000**.
- PA (polyamide) barrier lining limits refrigerant permeation.
- EPDM inner tube and cover with high-strength PET braid reinforcement.
- Batch-by-batch dimensional inspection and pressure testing.
- Burst tests measured up to 35 MPa against a 13.7 MPa standard requirement.
- 7.0 MPa proof-pressure hold with no leakage or abnormality.
- Ageing and permeation data available for the EA48 refrigerated-truck series.
- Inspection reports (July 2023 batch), material certificates and samples on request.

PACKING & DELIVERY

Hose is supplied on coils in continuous length or cut to your specified lengths, packed in standard export cartons with neutral or buyer markings. Stocked sizes ship in 3-7 days; production items in 15-25 days. We can consolidate metre hose and crimped assemblies in one shipment.

CONTACT

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Send your size codes and metre quantities for a firm quotation within one working day. Prices are not shown in this catalogue.