

McMaster-Carr® 6172T Equivalent Extra Thick Spark Resistant Tube Sleeve Meets SAE AS1072 Aviation / Aerospace Specification. High Temperature, Spark, Heat, Flame & Fire Resistant Type 2 with or without SAE Marking



500°F / 260°C Continuous Rating – Higher Temperature for Shorter Periods



Protection from:

- Heat
- Flame
- Fire
- Molten Metal Splash
- Welding Splatter & Sparks
- Meets UL VW-1

6172T style equivalent extra thick spark resistant tube sleeve is manufactured to the SAE AS1072 specification.

CofC and Test Report available with orders. Our company QMS has been reviewed and accepted by major aerospace OEMs. Allows properly assembled hose assemblies to meet SAE AS1055D testing.

500°F / 260°C continuous rating and with a 15 minute FAA "Fireproof" rating when assembled according to SAE AS1055.

500°F / 260°C continuous rating, 800°F / 426°C for periods up to 30 minutes
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

This sleeve is extremely flexible, pliable and conformable. Typically used to protect fuel, oil, hydraulic lines and hoses, as well as critical wiring and cables. Remains flexible to -76°C (-104.8°F).

Sleeve must be cut slightly longer than the hose or cable it is covering so it covers part of the fitting or connector. The longer the hose or cable, and if tight fitting, or if in use the hose/cable will be curved, then the longer the firesleeve needs to be. Sleeve that is short will pull back from the fitting when the hose is bent, and if this occurs the hose assembly won't meet the TSO. Appropriate clamps must be used over the sleeve at the fitting for aviation and marine applications. (See our clamps and tools)

This sleeve has a radial elasticity of approximately 15% allowing it to slide over connectors, fittings and splices.

For further specifications see AS1072 Technical Data Sheet. This sleeve is available unmarked or marked per the AS1072 specification. Other markings such as tradenames may be added.

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McMaster-Carr® 6172T Equivalent Extra Thick Spark Resistant Tube Sleeve. Meets SAE AS1072 Aviation / Aerospace Grade Specification; with or without marking

Nominal ID Inches / mm / Dash #			Part Number	Nominal ID Inches / mm / Dash #			Part Number
1/4	6	-04	AB-6172T11	1 3/4	44	-28	AB-6172T316
5/16	8	-05	AB-6172T311	1 7/8	48	-30	AB-6172T-M048
3/8	10	-06	AB-6172T12	2	51	-32	AB-6172T19
7/16	11	-07	AB-6172T312	2 1/4	57	-36	AB-6172T-M057
1/2	13	-08	AB-6172T13	2 3/8	60	-38	AB-6172T-M060
9/16	15	-09	AB-6172T-M015	2 1/2	64	-40	AB-6172T21
5/8	16	-10	AB-6172T14	2 5/8	67	-42	AB-6172T-M067
11/16	17	-11	AB-6172T-M017	2 3/4	70	-44	AB-6172T-M070
3/4	19	-12	AB-6172T15	2 7/8	73	-46	AB-6172T-M073
13/16	20	-13	AB-6172T-M020	3	76	-48	AB-6172T22
7/8	22	-14	AB-6172T313	3 1/4	83	-52	AB-6172T-M083
1	25	-16	AB-6172T16	3 1/2	89	-56	AB-6172T-M089
1-1/8	29	-18	AB-6172T314	3 3/4	95	-60	AB-6172T-M095
1-1/4	32	-20	AB-6172T17	4	102	-64	AB-6172T-M102
1-3/8	35	-22	AB-6172T315	4 1/2	114	-72	AB-6172T-M114
1-1/2	38	-24	AB-6172T18	5	127	-80	AB-6172T-M127
1-5/8	41	-26	AB-6172T-M041	6	162	-96	AB-6172T-M162

SAE AS1072 Aerospace grade sleeve is fabricated from a dense E-type braided sleeve and then receives a thick coating of self-extinguishing silicone rubber that withstands flame exposure, allowing qualified hose assemblies to meet FAA TSO-C42 (Propeller feathering hose assemblies), TSO-C53a (Fuel and Oil system hose assemblies) and TSO-C75 (Hydraulic hose assemblies). Standard lengths are 100 feet; specific cut lengths are available. Standard color is Oxide-Red with black printing. Black sleeve with white printing is available but is not specified in the AS1072 standard. Other colors available.

**This product is available By-The-Foot / Metre or in standard 100 foot / 30 metre lengths
Larger sizes available in 50 foot / 15 metre lengths**