

HIGH TEMPERATURE ROPES



Newtex offers a specialized line of braided and twisted ropes designed for high temperature packing and sealing applications involving hot air, steam, water, fluids, or gases. Our ropes are conformable and durable, resistant to most acids and alkalis, and will not shrink, stretch, or unravel. All Newtex ropes are asbestos-free and manufactured in the United States at our Victor, New York facility.

Common Applications: Furnace Door Insulation and Seals, Coke Oven Door Seals, Expansion Joint Packing, Hot Top Seals, Mold Seals, Tube Seals, High Temperature Joint Packing, Bulb Material for Tadpole Tape

Zetex® & ZetexPlus® Twisted Ropes

Conformable rope for sealing applications

Twisted rope is a conformable product used for sealing boilers and oven & furnace doors, including those with uneven surfaces.

Zetex® & ZetexPlus® Braided Rope

Strong, dense rope for packing & sealing applications

Braided rope is stronger, denser, smoother, and more stable than twisted rope. It is used in packing applications that require greater resistance to compression and mechanical wear. Square braided rope is similar in construction but is made to support square channels and grooves. Square braided rope is not a standard Newtex product, but it is available in large quantities by special order.

Temperature Resistance

Zetex twisted and braided ropes support:

- Operating temperatures to 700°F (370°C)
- Peak temperatures 1000°F (540°C)

ZetexPlus Twisted Ropes support:

- Operating temperatures to 1300°F (700°C)
- Peak temperatures to 1500°F (815°C)

Custom Products

We offer a range of rope styles, diameters and densities, and we have the capability to manufacture custom ropes for large orders. Please contact us to discuss your options for a custom order.

Diameter	Braided and twisted ropes are available with diameters ranging from 0.125 inches (0.32 cm) to 3.0 inches (7.6 cm). Find more detailed information regarding product availability on the back of this sheet or at newtex.com .
Length	Braided and twisted ropes are sold in spools ranging from 10 feet (3 meters) to 2,500 feet (762 meters) in length, depending on the rope's diameter. Find more detailed information regarding product availability on the back of this sheet or at newtex.com .
Coatings and Finishes	Twisted and braided ropes can be coated with ZetexPlus, our proprietary vermiculite coating, for additional temperature and abrasion resistance. The coating works to dissipate heat across the surface of the rope so that it can withstand operating temperatures up to 1300°F (700°C) and intermittent temperatures up to 1500°F (815°C).

Item Number	Style	Diameter		Length	
		inches	cm	feet	meters

Zetex® Twisted Rope

1300014	Zetex 0.125" Twist	0.125	0.32	2500	762.0
1300015	Zetex 0.25" Twist	0.25	0.64	1250	381.0
1300016	Zetex 0.375" Twist	0.375	0.95	1000	304.8
1300017	Zetex 0.50" Twist	0.50	1.27	500	152.4
1300018	Zetex 0.625" Twist	0.625	1.59	300	91.4
1300019	Zetex 0.75" Twist	0.75	1.91	150	45.7
1300020	Zetex 0.875" Twist	0.875	2.22	150	45.7
1300021	Zetex 1.00" Twist	1.00	2.54	100	30.5
1300022	Zetex 1.125" Twist	1.125	2.86	100	30.5
1300023	Zetex 1.25" Twist	1.25	3.18	50	15.2

ZetexPlus® Twisted Rope

1300033	ZetexPlus 0.25" Twist	0.25	0.64	1250	381.0
1300034	ZetexPlus 0.75" Twist	0.75	1.91	150	45.7
1300035	ZetexPlus 1.00" Twist	1.00	2.54	100	30.5

Zetex® Braided Rope

1300001	Zetex .25" Braid	0.25	0.64	1000	304.8
1300002	Zetex .375" Braid	0.375	0.95	500	152.4
1300003	Zetex .50" Braid	0.5	1.27	500	152.4
1300004	Zetex .625 Braid	0.625	1.59	200	61.0
1300005	Zetex .75" Braid	0.75	1.91	200	61.0
1300006	Zetex .875" Braid	0.875	2.22	100	30.5
1300007	Zetex 1.0" Braid	1.0	2.54	100	30.5
1300008	Zetex 1.25" Braid	1.25	3.18	50	15.2
1300009	Zetex 1.50" Braid	1.5	3.81	50	15.2
1300010	Zetex 1.75" Braid	1.75	4.45	25	7.6
1300011	Zetex 2.0" Braid	2.0	5.08	25	7.6
1300012	Zetex 2.50" Braid	2.5	6.35	10	3.0
1300013	Zetex 3.0" Braid	3.0	7.62	10	3.0

ZetexPlus® Braided Rope

1300026	ZetexPlus .25" Braid	0.25	0.64	1000	304.8
1300027	ZetexPlus .375" Braid	0.375	0.95	500	152.4
1300028	ZetexPlus .50" Braid	0.50	1.27	500	152.4
1300029	ZetexPlus .75" Braid	0.75	1.91	200	61.0
1300030	ZetexPlus 1.00" Braid	1.00	2.54	100	30.5
1300031	ZetexPlus 3.00" Braid	3.00	7.62	10	3.0



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For nearly 40 years, Newtex has been a pioneer and leading global producer of high performance materials and engineered solutions for thermal management and fire protection. Headquartered outside of Rochester, New York, Newtex is an ISO 9001:2008 certified, vertically integrated manufacturer of an impressive portfolio of heat and fire resistant fabrics, tapes, personal protective apparel, and custom high temperature solutions. We are a minority owned, veteran-managed business that has proudly served the US Armed Forces and leading global industries since 1978. Newtex products are proudly made in the USA.



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