

XLT4: Extremely low torque – extremely high strength

From Union comes a revolutionary crane rope design called XLT4*. “XLT” because it has extremely low torque; “4” because it has the minimum breaking force of a 6-strand XXXXIP (4X) IWRC rope.

MORE LIFT. LESS TORQUE. LOWER COST.

What sets XLT4 apart from other ropes is its unique design, which packs more high-tensile steel wire into the rope’s diameter, giving XLT4 one of the highest strength-to-diameter ratios ever achieved – with a minimum breaking force 33% higher than standard 6-strand XIP ropes.

Under load, XLT4 generates near-zero torque, matching or surpassing the stability of Category 1 35 x 7 class rotation-resistant ropes. Yet, thanks to its unique design, XLT4 is not classified as a “rotation-resistant” rope. It can be used with or without a swivel as a mobile crane hoist rope at design factors as low as 3.5 to 1.

And, for value, nothing performs like XLT4. Not only does it cost less than a 35 x 7 classification rope, its compact construction keeps more steel in contact with sheaves and drums for unmatched resistance to crushing and wear – for lower maintenance, less downtime and longer service life.

FASTER, MORE EFFICIENT CRANE OPERATION.

XLT4’s powerful advantages go beyond high strength, low torque and economical cost. With the rope’s high capacity, lifts may be feasible using fewer parts of line – boosting the speed, efficiency and productivity of crane work.

XLT4 SPECIFICATIONS

NOMINAL DIAMETER INCHES	NOMINAL DIAMETER INCHES	MINIMUM BREAKING FORCE TONS OF 2000 LBS.	APPROX WEIGHT LBS./FT.
1/2	12	15.8	.045
	14	17.7	.051
	16	21.4	.061
9/16 5/8	16	22.3	.065
	18	27.4	.079
	20	27.8	.079
3/4	19	39.0	1.1
	21	39.2	1.1
	22	52.0	1.5
7/8	23	53.0	1.5
	24	56.8	1.6
	26	61.7	1.8
1	26	68.9	2.1
	28	72.1	2.1
	30	83.3	2.4
1-1/8		86.7	2.6

EASY TO INSTALL. EASY TO USE.

While XLT4’s unique construction is different in appearance and feel compared to other wire ropes, you’ll be pleasantly surprised by the way it spools and operates. As with any wire rope, proper installation is key – particularly for the base layers and all layers that do not come off the drum during normal operation. To maximize performance and to avoid “pull-in”, the rope must be spooled on the drum under load, ensuring that the rope is both tight against adjacent wraps and tight around the drum. As with any wire rope, XLT4 will perform better on a grooved drum.

Although differing in appearance and feel, field experience has shown that XLT4 presents no problems in terminations using wedge sockets or wire rope clips. XLT4 requires no special end preparation.

*Patent Pending