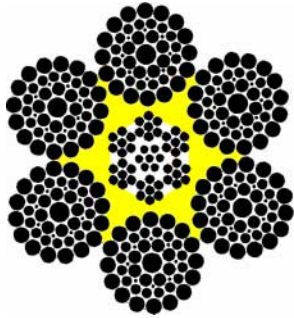


Rope Characteristics

- Offer varying degrees of increased resistance to fatigue and abrasion
- Designed to improve service life
- Can be used alone or in combination with other options (e.g. Bethpac with Maxi-core, Bethpac BXL, and so on)



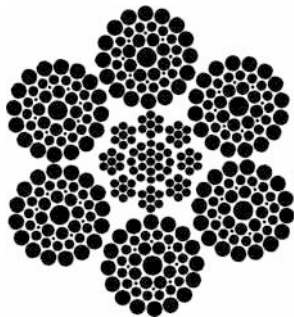
En-core™

- Plastic-encapsulated core acts as a shock absorber between adjacent main strands and at main strand-to-IWRC contact points
- Recommended for use where the ropes are subjected to continual bending stresses and fluctuating loads, such as drag rope and shovel hoist rope applications
- Available in mining rope diameters 1-3/4" through 4-3/4" in Excavator and Excavator-AR grades
- Can be combined with Bethpac option



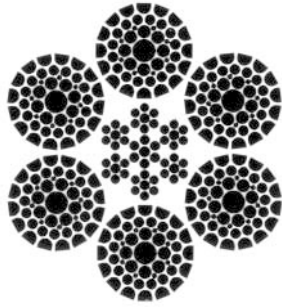
BXL™

- Plastic-infused wire rope provides improved fatigue and abrasion resistance, increased corrosion protection, and clean handling and operation
- Recommended for use in all mining applications — shovel hoist, crowd and retract ropes, drag ropes, boom hoist ropes, pendant and dump ropes
- Available in mining rope diameters through 2-3/4" in Excavator and Excavator-AR grades
- Can be combined with Bethpac and Maxi-core options



Maxi-core™

- Recommended for shovel hoist ropes and certain drag rope applications
- Offers excellent resistance to fatigue, abrasion and multilayer drum crushing
- Provides 33% more core support
- Available in mining rope diameters 2-3/8" through 4-3/8" in 6x26, 6x43, 6x49, 6x50, 6x57 and 6x64 constructions
- Can be combined with Bethpac and BXL options



Bethpac™

- Offers superior resistance to fatigue, abrasion and multilayer drum crushing
- Recommended for hoist, drag, and shovel hoist rope applications
- Available in mining rope diameters 1-1/2" through 2-3/4"
- Can be combined with En-core, Maxi-core and BXL options



BXL with Maxi-core

- Offers excellent resistance to fatigue, particularly in those applications where the rope fails due to internal breakage
- Rope of choice for shovel hoist applications
- Also suitable for certain drag rope applications
- Available in mining rope diameters through 2-3/4"
- Can be combined with Bethpac option



Bethpac BXL

- Offers excellent resistance to fatigue in combination with outstanding abrasion resistance
- Recommended for certain hoist, drag, and shovel hoist rope applications
- Available in mining rope diameters through 2-3/4"
- Can be combined with Maxi-core option



Bethpac BXL with Maxi-core

- Used in the most severe operating conditions
- Recommended for shovel hoist and certain drag rope applications
- Available in mining rope diameters through 2-3/4"

Mining Rope Options

Because Bethlehem Wire Rope® for Mining Applications is designed for performance, not strength, WW does not publish breaking strengths for its Excavator Grade family of wire ropes. WW relies on specific rope improvements and specialized features to provide rope designs which give proven, superior field service.

ROPE DIAMETER		ROPE CONSTR	APPROXIMATE WEIGHT (lb./ft.)						
inches	mm		En-core	BXL	Maxi-core	Bethpac	BXL with Maxi-core	Bethpac BXL	Bethpac BXL with Maxi-core
1-5/8	42	6x43	--	5.02	--	5.08	5.04	5.17	5.26
1-3/4	45	6x26, 6x49	5.80	5.80	--	5.90	5.86	6.07	6.16
1-7/8	48	6x26, 6x49	6.60	6.78	--	6.76	6.81	6.99	7.01
2	52	6x26, 6x49	7.50	7.61	--	7.69	7.64	7.83	7.86
2-1/8	54	6x26, 6x49	8.40	8.74	--	8.68	8.78	9.00	9.04
2-1/4	57	6x26, 6x49	9.50	9.75	--	9.73	9.84	9.99	10.01
2-3/8	60	6x26, 6x49	10.50	10.62	10.50	10.80	10.64	10.94	11.02
2-1/2	64	6x26, 6x49	11.70	12.03	11.70	12.10	12.04	12.25	12.38
2-5/8	67	6x26, 6x57	12.90	13.08	12.90	13.30	13.10	13.47	13.49
2-3/4	70	6x26, 6x57	14.10	14.51	14.10	14.60	14.54	14.94	14.97
2-7/8	74	6x43, 6x57	15.50	--	15.50	--	--	--	--
3	77	6x50, 6x57	16.80	--	16.80	--	--	--	--
3-1/8	80	6x50, 6x57	18.20	--	18.20	--	--	--	--
3-1/4	83	6x50, 6x57	19.70	--	19.70	--	--	--	--
3-3/8	87	6x50, 6x57	21.20	--	21.20	--	--	--	--
3-1/2	90	6x50, 6x57	22.90	--	22.90	--	--	--	--
3-5/8	94	6x50, 6x57	24.50	--	24.50	--	--	--	--
3-3/4	96	6x50, 6x57	26.30	--	26.30	--	--	--	--
3-7/8	98	6x50, 6x57	28.00	--	28.10	--	--	--	--
4	103	6x50, 6x57	29.90	--	30.00	--	--	--	--
4-3/8	112	6x57, 6x64	35.80	--	35.70	--	--	--	--
4-1/2	115	6x57, 6x64	37.80	--	--	--	--	--	--
4-3/4	122	6x57, 6x70	42.10	--	--	--	--	--	--



Wire Rope Works, Inc.
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