

Telecommunications Market

Telecom Aerial Installation Solutions



Lashing Wire

Messenger strand





Why choose Bekaert for messenger strand and lashing wire?

The telecommunication industry uses numerous types of wire products. Some, like fiber optic cables, transmit data. Steel wires, like messenger strands, support data-transmitting aerial cables. Messenger strands keep cables that transmit data in place. Stabilizing those cables is essential for the longevity of any system.

Systems that use support strands require lashing wire – another external wire used to secure the fiber optic cable to the messenger strand. The telecom industry uses stainless steel lashing wire to secure or lash the messenger strand and fiber optic cable

Bekaert is more than a messenger strand and lashing wire supplier. With industry-leading expertise and comprehensive customer service, we can connect you with the messenger strand and lashing wire you need for your project.

1. Messenger Strand

Effective Coatings

Quality coatings enable our strands to perform well in harsh conditions. Specifically, our zinc-coated wire has impressive corrosion resistance. At Bekaert, we offer three classes of zinc galvanized: Class A, Class B, and Class C.

We've also developed Bezinal®, our unique zinc-aluminum alloy coating for enhanced corrosion resistance.

Reliable Strength

Standardized strength means that our messenger strands are safer and more reliable. Their steel cores add to the wires' strength, making strands with Bezinal® coatings an ideal solution for special conditions. Inclement weather like high winds and ice can contribute to tension and ice loading. Those events can cause messenger strand to rust, sag or even break. Prevent this damage with quality fiber optic messenger strand from Bekaert.

2. Lashing wire

Bekaert offers a range of lashing wire grades with varying specifications to suit your project needs. Each selection of lashing wire meets ASTM A580 specifications. We provide two grades of stainless steel lashing wire:

Type 430: low-carbon stainless steel wire with 17% chromium
Type 302: alloy contains 8% nickel and 18% chromium

Type 430 has a 0.045-inch diameter. Type 302 lashing wire comes in two diameters – 0.045 inches and 0.038 inches and is available in BABA-compliant and non-BABA options.

Messenger Strand

Provide reliable, long-lasting support for telecommunication lines with Bekaert steel messenger strand. Engineered for strength, durability, and dependable performance, our messenger strand portfolio is available in a variety of diameters, tensile strengths, and protective coatings to meet diverse project requirements. Available specifications include ASTM A475, Bell standards (including 6M, 6.6M, and 10M), and ASTM A855.



Minimum Breaking Strength (lbs)

Minimum weight of coating oz/ft²

Strand diameter (in)	Wires per strand	Coated wire diameter (in)	Approx. strand weight/1000 ft (lbs)	Utility grades	Common grade	Siemens-Martin grade	High strength grade	Extra high strength grade	Class A	Class B	Class C	Bezinal®
3/16	7	0.062	73	...	1,150	1,900	2,850	3,990	0.50	1.00	1.50	0.50
3/16	7	0.065	80	2,400	...	...	...	...	0.50	1.00	1.50	0.50
7/32	7	0.072	98	...	1,540	2,560	3,850	5,400	0.50	1.00	1.50	0.50
1/4	3	0.120	117	3,150	1,860	3,040	4,730	6,740	0.85	1.70	2.55	0.85
1/4	3	0.120	117	4,500	...	...	...	...	0.85	1.70	2.55	0.85
1/4	7	0.080	121	...	1,900	3,150	4,750	6,650	0.60	1.20	1.80	0.60
9/32	7	0.093	164	4,600	2,570	4,250	6,400	8,950	0.70	1.40	2.10	0.70
5/16	3	0.145	171	6,500	2,490	4,090	6,350	9,100	0.90	1.80	2.70	0.90
5/16	7	0.104	205	...	3,200	5,350	8,000	11,200	0.80	1.60	2.40	0.80
5/16	7	0.109	225	6,000	...	...	...	...	0.80	1.60	2.40	0.80
3/8	3	0.165	220	8,500	3,330	5,560	8,360	11,800	0.90	1.80	2.70	0.90
3/8	7	0.120	273	11,500	4,250	6,950	10,800	15,400	0.85	1.70	2.55	0.85
7/16	7	0.145	399	18,000	5,700	12,100	14,500	20,800	0.90	1.80	2.70	0.90
1/2	7	0.165	517	25,000	7,400	9,350	18,800	26,900	0.90	1.80	2.70	0.90
1/2	19	0.100	504	...	7,620	12,700	19,100	26,700	0.70	1.40	2.10	0.70
9/16	7	0.188	671	...	9,600	15,700	24,500	3,500	1.00	2.00	3.00	1.00
9/16	19	0.113	637	...	9,640	16,100	24,100	33,700	0.80	1.60	2.40	0.80
5/8	19	0.125	796	...	11,000	18,100	28,100	40,200	0.85	1.70	2.55	0.85
3/4	19	0.150	1,155	...	16,000	26,200	40,800	58,300	0.90	1.80	2.70	0.90
7/8	19	0.177	1,581	...	21,900	35,900	55,800	79,700	0.90	n/a	2.70	0.90

1x3 Ground Wire, 5/16", Class C Grade BB, ASTM A111 and A475



ISO 14001
certified

ISO 9001
certified



Stainless Steel Lashing Wire (BABA & Import)

Bekaert Lashing Wire delivers reliable performance for fiber broadband, telecommunications, and utility communication networks. Available in imported and fully BABA-compliant configurations, our ASTM A580-compliant lashing wire is compatible with most cable lashers. Our fully BABA-compliant lashing wire is manufactured in Van Buren, Arkansas, making Bekaert the only domestic manufacturer offering a fully BABA-compliant lashing wire solution. We provide Made & Melted certifications, traceability, and compliance documentation to help simplify procurement for federally funded and BEAD-supported projects.



Specifications, per ASTM A580

AISI Grade	UNS Number	W.Nr	Wire Diameter (in)	Weight per coil (lb)	Length per coil (lb)	Average break strength (lb)	Coils per box	Approx. shipping weight per box (lb)	Compliance
430SS	S43000	1.4016	0.045	6.5	1,200	125	6	40	non-BABA
302SS	S302000	1.4310	0.038	6.3	1,600	115	6	38	BABA
302SS	S302000	1.4310	0.038	6.3	1,600	115	6	38	non-BABA
302SS	S302000	1.4310	0.045	6.5	1,200	165	6	40	BABA
302SS	S302000	1.4310	0.045	6.5	1,200	165	6	40	non-BABA

Packaging Specifications

Coil Dimensions

ID	1 5/8" min
OD	5 3/8" max
Height	2" max

Box Dimensions

Coils per box	6
Width	5 1/2"
Length	11"
Height	5 1/2"

Box Dimensions

Boxes per box	63
Width	33"
Length	42"
Height	26"

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