

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 three grades of stainless steel lashing wire:

**Type 430:** low-carbon stainless steel wire with 17% chromium  
**Type 316:** 8-10 stainless steel alloy contains 2.5% molybdenum  
**Type 302:** alloy contains 8% nickel and 18% chromium

Both Type 430 and Type 316 have a 0.045-inch diameter. Type 302 lashing wire comes in two diameters – 0.045 inches and 0.038 inches.



# Messenger Strands Datasheet

Provide reliable support to telecommunication lines with Bekaert steel messenger strand. Bekaert offers a variety of strengths and coatings and specifications include ASTM 475, Bell (e.g. 6M, 6.6M, 10M) and ASTM A855.

Minimum Breaking Strength (lbs)

Minimum weight of coating oz/ft<sup>2</sup>

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	Beznal®
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	35,000	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







# Lashing Wire Datasheet

Bekaert Lashing wire provides flexibility, strength, and corrosion resistance required for supporting fiber optic cables in Outside Plant (OSP) telecommunications projects. The product meets the requirements per ASTM A580 and works with most cable lashers.



## Specifications, per ASTM A580

AISI Grade	UNS	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)
430SS	S43000	1.4016	0.045	6.5	1,200	125	6	40
302SS	S302000	1.4310	0.038	6.3	1,600	115	6	38
302SS	S302000	1.4310	0.045	6.5	1,200	165	6	40
316SS	S31600	1.4401	0.045	6.5	1,200	165	6	40
316SS	S31600	1.4401	0.038	6.3	1,600	115	6	38

## Pack 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"

### Pallet Dimensions

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

Finish: Bright annealed

ISO  
9001:2015  
certified



Contact us

More  
Information?

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