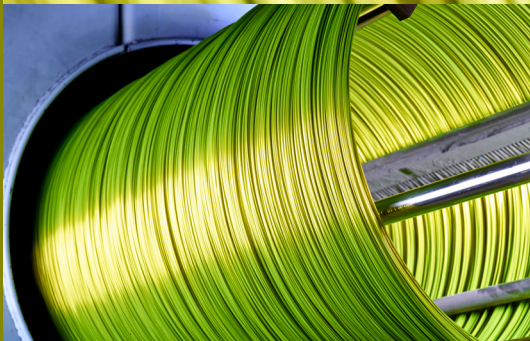


Coated steel wires for bound stationery



Consistent quality world wide

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Bind it better with Bekaert

Bekaert has more than 130 years of experience in producing steel wire products for a wide range of applications and industries. Today we are a global technology and market leader in steel wire transformation and coatings, serving customers in over 120 countries.

To keep up with the markets evolving needs, Bekaert not only actively exchanges knowledge and skills among its different production platforms, we also work closely together with our customers to come up with new possibilities to innovate our wire products in any possible way. This policy is perfectly reflected in our range of binding wires.

Bekaert has over 50 years of experience in producing coated steel wires for the print and paper industry. To meet any requirement, Bekaert offers a full scale of products from coated binding wires to stitching wire and paperclips.

In addition to the classic galvanized wires, Bekaert offers a wide range of specialized coated wires: Tinobind®, Nylobind®, Ecobind®, combined colors wire and Metalobind® (patented). Our global production platforms in Europe, Asia and the US enable us to offer our customers wires of consistent quality and timely deliveries wherever they are located.

Binding wires

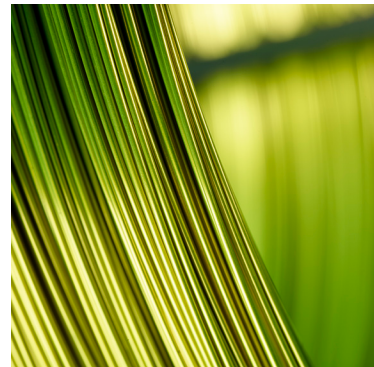
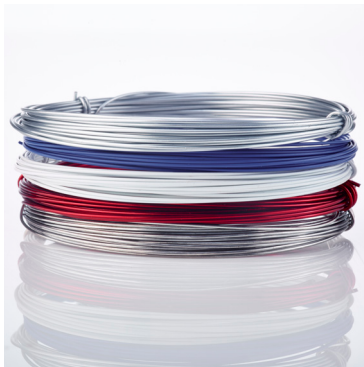
From notebooks to manuals, books and wall calendars, double and single loop binding wire still remain industry favorites as both options have many advantages over alternative binding solutions.

They are:

- **user-friendly**: they allow a book to open 360 degrees and to lay completely flat on a desk
- **durable**: they provide extra strength to bound stationery and keep looking attractive even after longtime use
- **versatile**: they offer extra design options in terms of colors and uses
- **sophisticated**: they have a smooth and colored finish to give stationery an attractive and professional look

Bekaert tunes in on this market by offering a wide range of coated wires of a high and consistent quality. Through varying in looks and purpose each of our binding products stand out by their excellent coating properties:

- an excellent adhesion even in narrow radii
- a low surface friction for high-speed processing
- excellent mechanical properties that enable a high repeating accuracy during the forming process
- a wide range of colors



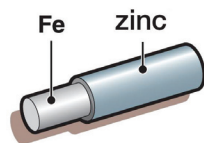
Supporting your creativity

Whether you want your wire to be smooth, shiny, colored and/or eco-friendly, Bekaert offers a range of six coated wires to meet your specific requirements.

Galvanized wire

Our range of galvanized wires offers the most basic binding solution in our scope. These wires are most suitable for applications that require a good quality and corrosion resistance, but for which the overall aesthetic look is less important.

- offers the perfect complement to good quality combs at the lowest price
- offers excellent corrosion resistance



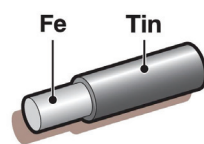
Galvanized steel wire, the most basic solution

Tinobind®

Tinobind® is a tin-coated steel wire that offers a basic shiny finish for producers of bound stationery who are looking for a reasonably priced product with just a touch of gloss.

Tinobind® offers the best quality/price ratio in our range of neutral colored binding wires.

- offers a basic shiny finish for your bound stationery
- supports a high quality and reasonably priced design



Tinobind®, a tin coated steel wire: the basic but shiny finish

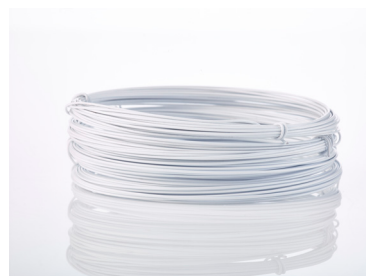
Nylobind®

Nylobind® is a colored polymer coating on top of steel wire and is considered the reference product in our range. Available in a wide spectrum of colors, Nylobind® stands out by its blemish-free surface which it maintains even after processing and long-time use.

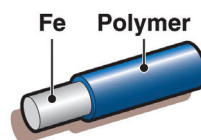
- allows you to match the color of your combs to your design
- offers a durable high-end finish to your combs

Color	RAL	Pantone
White	9003	-
Black	9005	Black C
Silver	7040	428C
Light blue	5012	7688C
Dark blue	5010	540C
Dark green	6028	3435C
Light green	6032	7740C
Red	3020	7620C
Orange	2000	7577C
Yellow	1016	101C
Brown	8016	477C
Bronze	8008	731C

Other colors available on request - Colors may vary.
Pantone and RAL codes are indicative only.



Nylobind®, a colored polymer coated steel wire: the reference in the market



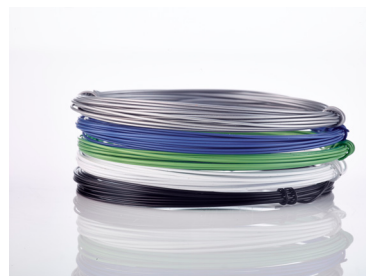
Ecobind®

Ecobind® is a steel bookbinding wire covered with a colored eco-friendly polymer-coating that is completely derived from plant-based resources. Unlike the traditional petroleum-based coatings, the Ecobind® coating is completely compostable and CO₂ neutral, making it a perfect complement to your environmentally sound stationery.

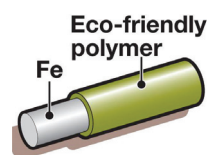
- reinforces the eco-friendly character of a brand or product
- supports professional-looking documents that are also eco-friendly

Color	RAL	Pantone
White	9003	-
Black	9005	Black C
Green	6011	7741C
Blue	5010	287C
Silver	7046	429C

Other colors available on request - Colors may vary.
Pantone and RAL codes are indicative only.



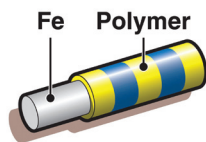
Ecobind®, a biodegradable polymer on steel wire: the ecological option



Combined colors wire

Bekaert combined colors wire is a colored polymer-coated wire that can be printed with any color to match. This unique concept opens a raft of new options for designers, allowing them to enhance the character of bound stationery by adding an extra dimension of color.

- complements a brand by incorporating company colors e.g. for whitepapers or annual reports
- mirrors the colors of sports teams or events e.g. using team colors on bound products like scrapbooks, calendars and notebooks



Combined colors wire, a bi-colored polymer coating on steel wire: expand your design possibilities

Metalobind®

Metalobind® is a transparent colored polymer layer on top of a zinc coated steel wire. The combination of these coatings creates a sophisticated metallic look that adds extra shimmer and depth to your wire combs.

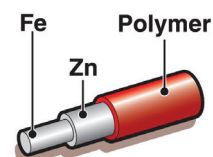
- differentiates your combs from mat colored binding solutions
- reflects the high-end character of your product

Color	RAL	Pantone
Transparent	-	-
Metallic blue	5005	10273C
Metallic green	6029	3415C
Metallic red	3002	1805C
Metallic yellow	1016	10110C
Metallic gold	1005	8365C

Other colors available on request - Colors may vary.
Pantone and RAL codes are indicative only.



Metalobind®: a colored, transparent polymer on a zinc coated steel wire: the high-end solution that offers a touch of depth, color and shimmer



Product specifications

The tables below describe the general product specifications of each of our coated binding wires. Feel free to contact us at bookbinding.wire@bekaert.com to discuss your specific requirements.

Nominal loop wire diameter with corresponding pitch per comb

Loop diameter	Wire diameter	Document thickness
Pitch 2:1		
6.90 mm 1/4 inch	0.70 mm 0.027 inch	4.90 mm 0.193 inch
8.00 mm 5/16 inch	0.80 mm 0.031 inch	6.30 mm 0.248 inch
9.50 mm 3/8 inch	0.80 mm 0.031 inch	7.90 mm 0.311 inch
11.00 mm 7/16 inch	0.90 mm 0.035 inch	9.30 mm 0.366 inch
12.70 mm 1/2 inch	0.90 mm 0.035 inch	10.90 mm 0.429 inch
Pitch 3:1		
4.80 mm 3/16 inch	0.70 mm 0.027 inch	3.00 mm 0.118 inch
6.40 mm 1/4 inch	0.70 mm 0.027 inch	4.50 mm 0.177 inch
7.90 mm 5/16 inch	0.80 mm 0.031 inch	6.00 mm 0.236 inch
9.50 mm 3/8 inch	0.80 mm 0.031 inch	7.50 mm 0.295 inch
11.10 mm 7/16 inch	0.90 mm 0.035 inch	9.00 mm 0.354 inch
12.70 mm 1/2 inch	0.90 mm 0.035 inch	10.50 mm 0.413 inch
14.30 mm 9/16 inch	1.00 mm 0.039 inch	12.00 mm 0.472 inch
15.80 mm 5/8 inch	1.20 mm 0.047 inch	13.50 mm 0.531 inch
16.00 mm 5/8 inch	1.20 mm 0.047 inch	13.40 mm 0.528 inch

Diameter with corresponding tolerances and tensile strengths

Diameter	Diameter tolerance	Tensile strength	
		95% confidence limits	Indicative value
0.65 mm 0.026 inch	± 0.01 mm ± 0.0004 inch	650 - 800 N/mm ² 94 - 116 ksi	725 N/mm ² 105 ksi
0.70 mm 0.028 inch	± 0.01 mm ± 0.0004 inch	625 - 775 N/mm ² 90 - 112 ksi	725 N/mm ² 105 ksi
0.80 mm 0.031 inch	± 0.01 mm ± 0.0004 inch	625 - 775 N/mm ² 90 - 112 ksi	725 N/mm ² 105 ksi
0.85 mm 0.033 inch	± 0.01 mm ± 0.0004 inch	625 - 775 N/mm ² 90 - 112 ks	725 N/mm ² 105 ksi
0.90 mm 0.035 inch	± 0.01 mm ± 0.0004 inch	600 - 750 N/mm ² 87 - 109 ksi	700 N/mm ² 101 ksi
0.94 mm 0.037 inch	± 0.01 mm ± 0.0004 inch	600 - 750 N/mm ² 87 - 109 ksi	700 N/mm ² 101 ksi
1.00 mm 0.039 inch	± 0.01 mm ± 0.0004 inch	600 - 750 N/mm ² 87 - 109 ksi	700 N/mm ² 101 ksi
1.04 mm 0.041 inch	± 0.01 mm ± 0.0004 inch	600 - 750 N/mm ² 87 - 109 ksi	700 N/mm ² 101 ksi
1.10 mm 0.043 inch	± 0.01 mm ± 0.0004 inch	600 - 750 N/mm ² 87 - 109 ksi	700 N/mm ² 101 ksi
1.12 mm 0.044 inch	± 0.01 mm ± 0.0004 inch	575 - 725 N/mm ² 83 - 105 ksi	685 N/mm ² 99 ksi
1.15 mm 0.045 inch	± 0.01 mm ± 0.0004 inch	575 - 725 N/mm ² 83 - 105 ksi	690 N/mm ² 100 ksi
1.20 mm 0.047 inch	± 0.01 mm ± 0.0004 inch	575 - 725 N/mm ² 83 - 105 ksi	675 N/mm ² 98 ksi
1.25 mm 0.049 inch	± 0.01 mm ± 0.0004 inch	550 - 700 N/mm ² 80 - 105 ksi	660 N/mm ² 96 ksi
1.30 mm 0.051 inch	± 0.01 mm ± 0.0004 inch	550 - 700 N/mm ² 80 - 105 ksi	650 N/mm ² 94 ksi
1.40 mm 0.055 inch	± 0.01 mm ± 0.0004 inch	525 - 675 N/mm ² 76 - 98 ksi	625 N/mm ² 90 ksi
1.50 mm 0.059 inch	± 0.01 mm ± 0.0004 inch	525 - 675 N/mm ² 76 - 98 ksi	600 N/mm ² 87 ksi

Paperclip wire

Bekaert offers coated low carbon wires for paperclips in any of our available coatings or colors: galvanized, Tinobind®, Nylobind®, Ecobind®, combined colors wire and Metalobind®. Feel free to contact us to discuss your specific requirements.

- convenient for organizing your documents by color code
- simple, quick and easy to apply, detach and re-apply
- makes your product stand out more



A wide range of paperclip wires to suit most requirements in terms of color, diameters or coating

Diameter	Diameter tolerance	Tensile strength	Coating weight	
			Zinc	Plastic
0.55 mm 0.022 inch	+0.01/-0.02 mm +0.0004/-0.0008 inch	900 - 1100 N/mm ² 130 - 159 ksi	min. 5 g/m ² min. 0.0165 oz/ft ²	± 0.01 - 0.035 mm ± 0.0004 - 0.0014 inch
0.55 mm 0.022 inch	+0.01/-0.02 mm +0.0004/-0.0008 inch	900 - 1100 N/mm ² 130 - 159 ksi	min. 5 g/m ² min. 0.0165 oz/ft ²	± 0.01 - 0.035 mm ± 0.0004 - 0.0014 inch
0.55 mm 0.022 inch	+0.01/-0.02 mm +0.0004/-0.0008 inch	800 - 1000 N/mm ² 116 - 145 ksi	min. 5 g/m ² min. 0.0165 oz/ft ²	± 0.01 - 0.035 mm ± 0.0004 - 0.0014 inch
0.55 mm 0.022 inch	+0.01/-0.02 mm +0.0004/-0.0008 inch	750 - 950 N/mm ² 109 - 138 ksi	min. 5 g/m ² min. 0.0165 oz/ft ²	± 0.01 - 0.035 mm ± 0.0004 - 0.0014 inch
0.55 mm 0.022 inch	+0.01/-0.02 mm +0.0004/-0.0008 inch	750 - 950 N/mm ² 109 - 138 ksi	min. 5 g/m ² min. 0.0165 oz/ft ²	± 0.01 - 0.035 mm ± 0.0004 - 0.0014 inch

These tables describe our general product specifications.

Feel free to contact us to discuss your specific requirements in terms of diameters, finishes or colors.

Stitching wire

Bekaert offers a range of galvanized or plastic coated low carbon wires for various sorts of stitching wire.

- **broad flat stitching wire**: used for the production of paperboard boxes and corrugated cartons
- **round stitching wire**: mainly used for bookbinding and print finishing, but also for production of light-weight cartons, filters and mattresses
- **narrow flat stitching wire**: suitable for special finishing in the bookbinding and print industry like smaller catalogues, cheque books, etc.



Round or flat, zinc, copper, tin or polymer coated ...
Bekaert offers a wide range of wires to serve any type of stitches or staples.

USSWG gauge	Overall diameter	Diameter tolerance	Tensile strength
-	0.420 mm 0.016 inch	± 0.005 mm ± 0.0002 inch	900 - 1200 N/mm ² 130 - 174 ksi
26	0.465 mm 0.018 inch	± 0.005 mm ± 0.0002 inch	900 - 1200 N/mm ² 130 - 174 ksi
25	0.515 mm 0.020 inch	± 0.005 mm ± 0.0002 inch	870 - 1130 N/mm ² 126 - 164 ksi
25.5	0.545 mm 0.021 inch	± 0.005 mm ± 0.0002 inch	830 - 1080 N/mm ² 120 - 156 ksi
24	0.595 mm 0.028 inch	± 0.005 mm ± 0.0002 inch	870 - 1130 N/mm ² 120 - 164 ksi
23	0.645 mm 0.025 inch	± 0.005 mm ± 0.0002 inch	820 - 1050 N/mm ² 119 - 152 ksi
22	0.710 mm 0.028 inch	± 0.010 mm ± 0.0004 inch	840 - 1100 N/mm ² 122 - 159 ksi
21	0.810 mm 0.032 inch	± 0.010 mm ± 0.0004 inch	840 - 1100 N/mm ² 122 - 159 ksi
20	0.900 mm 0.035 inch	± 0.010 mm ± 0.0004 inch	750 - 1000 N/mm ² 109 - 145 ksi

These tables describe our general product specifications.

Feel free to contact us to discuss your specific requirements in terms of diameters, finishes or colors.

A local service supported by global presence

Benefit from our commitment to local service supported
by our global presence.

You can rely on our worldwide network of sales offices, plants
and warehouses to meet your needs quickly and effectively.

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