

Technical question?

ask our online chat

An extensive range of both hollow round braid and solid rope strand, offering a wide choice of materials. The electrical performance of a braid is determined by selecting the correct cross sectional area from the tables.

Round braids and ropes exhibit multi-axial flexibility, enabling them to be installed in any direction. Rope strands, in particular are strongly recommended for applications needing outstanding flexibility and robustness with maximum flex performance.

Specialist braids are available using numerous conductor materials as identified, such as using nickel and nickel plated copper for increased temperature and corrosion resistance and aluminium for applications requiring weight savings.

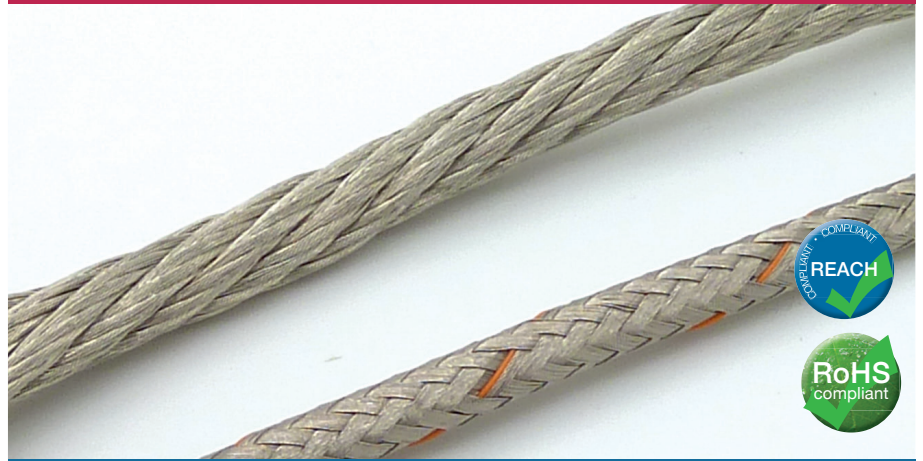
Round braids and ropes are also available with the option of PVC or zero-halogen extruded jackets.

There are numerous options and permutations possible with the facilities available, so please contact us for additional information or to discuss particular needs.

Current ratings are based on temperature rise of 50°C above ambient.

RB/RS Series, Braid

Round Braid and Rope Strand Solutions



Tin-plated Cu: -65°C to +150°C
Nickel-plated Cu: -65°C to +260°C
Insulated Versions Available

Hollow Round Braid
Solid Rope Braid
Multi-axial Flexibility

RB-10.0-5-15/1 Part No. example

Design Detail:

Custom configuration (Internal use only). Can reflect strand size and number of, to achieve current rating required.

Conductor Material:

- | | |
|------------------------|--------------------------|
| 1 Bare copper | 7 Silver plated copper |
| 2 Tin-plated copper | 8 Nickel 200 |
| 3 Nickel-plated copper | 9 Aluminium |
| 4 Phosphor bronze | 10 Galvanised mild steel |
| 5 Stainless steel | 11 Monel |
| 6 Oxygen free copper | 12 Bright annealed steel |

Plus many more, please contact our sales office to discuss your requirements.

Cross Sectional Area:

See tables over for standard available sizes.

Part Reference:

- RB Round braid
- RBJ Round braid with jacket
- RS Rope strand
- RSJ Rope strand with jacket

Insulation/Jacket Options

Material	Colour Availability	Temperature Rating
PVC	Clear, Black, Red, Green, Yellow, Green, Green/Yellow, Blue, White	-20°C to +70°C
LSZH Low Smoke, Zero Halogen	Clear, Black, Red, Green, Yellow, Green, Green/Yellow, Blue, White	-20°C to +80°C

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Standard Configurations

RB Standard Hollow Round Braids

Product Details (Un-insulated Tin-plated copper)

Ref	CSA	Nom. Diameter	Current Rating	Reel Size
0.5	0.5 mm ²	1.2 mm	12 amps	100m
1.1	1.1 mm ²	2.0 mm	20 amps	100m
2.5	2.5 mm ²	3.0 mm	30 amps	100m
4.0	4.0 mm ²	4.0 mm	50 amps	100m
6.0	6.0 mm ²	5.0 mm	60 amps	100m
10.0	10.0 mm ²	7.0 mm	80 amps	100m
16.0	16.0 mm ²	8.0 mm	110 amps	50m
25.0	25.0 mm ²	10.0 mm	130 amps	50m
35.0	35.0 mm ²	12.0 mm	180 amps	50m
50.0	50.0 mm ²	15.0 mm	230 amps	50m

RS Standard Rope Strands

Product Details (Un-insulated Tin-plated copper)

Ref	CSA	Nom. Diameter	Current Rating	Reel Size
2.5	2.5 mm ²	2.5 mm	30 amps	100m
4.0	4.0 mm ²	3.0 mm	50 amps	100m
6.0	6.0 mm ²	4.0 mm	60 amps	100m
10.0	10.0 mm ²	4.5 mm	80 amps	100m
16.0	16.0 mm ²	5.7 mm	110 amps	50m
25.0	25.0 mm ²	7.5 mm	130 amps	50m
35.0	35.0 mm ²	9.0 mm	180 amps	50m
50.0	50.0 mm ²	11.0 mm	230 amps	50m
70.0	70.0 mm ²	13.0 mm	280 amps	50m
95.0	95.0 mm ²	15.0 mm	330 amps	50m

Custom Configurations

For customised designs utilising alternative conductor materials and target current ratings, please contact us with your requirements to discuss the available options, competitive MOQs and lead times.

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