



RB/RS Series, Braid

July 2017

Round and Rope Braid Solutions

An extensive range of both hollow round braid and solid rope braid, 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 braids, 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 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

Insulated versions see table below, or for other material options please contact us.

Insulation/Jacket Options

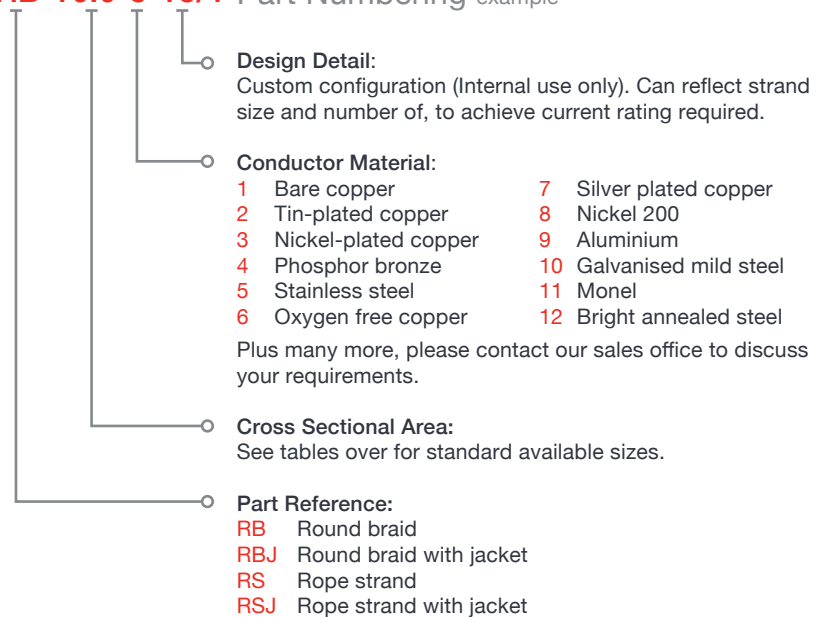
Material	Colour Availability	Temperature Rating
PVC	Clear, Black, Red, Green, Yellow, Green, Green/Yellow, Blue, White	-20°C to +70°C
LSZH Low Smoke, Zero Halogen	Clear, Black, Red, Green, Yellow, Green, Green/Yellow, Blue, White	-20°C to +80°C



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 Numbering example



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.

All information provided is believed to be reliable. We advise however that customers should separately evaluate the suitability of our products for their particular application. IS-Rayfast give no guarantee in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. In no instance will we be liable for any eventual, indirect, or consequential damage or damages from the sale, resale, transfer, use or misuse of the product.

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