Wire braiding

Description
Stainless steel wire interwoven to provide a thatched hose stocking. The braid can be supplied loose or fitted directly on to other products by processing through the braiding machine. The braid is generally supplied with a circular bore but will lend to mould over the shape of the item being braided.

Materials of construction
AISI 304,
AISI 316

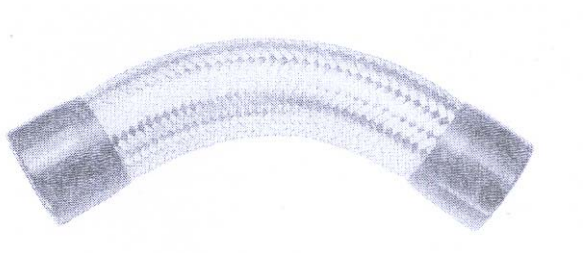
nominal bores
From 7mm to 300mm – the bore is measured when the braid is in its natural slate at rest. The nominal bore of braid, by its construction,is able to be manipulated from its original bore by enlarging (pushing the braid together longitudinally) or reducing(by stretching it).

Weave of braid
Each thatch of wire can consist of between 1 and 14 wires, providing from a very open weave through to a full coverage weave of braid. The SITCOFLEX production capability includes 24, 48, 72, and 112 carrier braiders so between 24 and 1344 individual stands of wire can be utilized.

Wire thickness
standard – 0.30, 0.37, 0.40, 0.50, 0.60, 0.70mm other thickness available on special order and for sufficient quantities.

Supply lengths
Up to 100m and over depending upon the braid diameter.

Please contact your SITCOFLEX office for further details.



Bend radius
Wire braiding will provide protection and support for the item being braided but by nature of its construction, it will not significantly reduce the bend radius and handling characteristics of the core product.

Pressure enhancement applications
For applications where the braid is being used to enhance the pressure capability of another product (eg metal, rubber or plastic hose), it is recommended that for optimum results, a full coverage wire thatch should be braided directly on to the product for maximum tightness. The selection and use of the correct braiding angle (the angle of the wires in relation to the center line of the hose) is of vital importance in achieving optimum perfomance.

Please contact your SITCOFLEX office for further details.

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