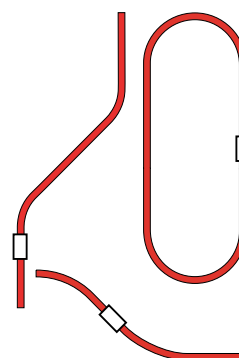


Curved tracks: horizontal and vertical

The AKAPP Multiconductor is also used for curved installations such as i.e. at concrete skipper installations. In general the curved segments are made to measure in the required radius.

A correct drawing is therefore of utmost importance.

Horizontal curves do not have a marking strip and no anti-reverse rib in the conductor, which implicates that it is not required to take the positioning thereof into consideration with regard the other conductor segments, when ordering.



Curved housings

Type BRN7- (radius)

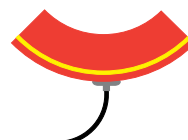
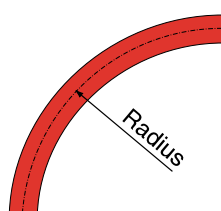
Horizontal curves are available from R=600 mm and vertical curves from R=1800 mm (center sizes, see drawing).

In curves the center distance of the hanger support varies from 600 - 1000 mm (in general min. 2 hanger supports per curved section).

Vertical curves exist in 2 varieties:

concave: biggest radius at the bottom (=opening) of the housing;

convex: smallest radius at the bottom of the housing. See drawings.



vertical curve, concave



vertical curve, convex

Type BRNHS7- .. (radius)

Curves for Multiconductor RNHS7.

Collector trolleys in installations with curves

For installations with curves, only 35A collector trolleys should be used. It is possible to use more collector trolleys in parallel for higher current capacities. For curves with bending radius <800 mm the flexible trolley type S7-..-35 is used (see photo). See also page 11.



S7-4-35

Copper conductors in curved tracks

Should, when horizontal curves are applicable, the copper channel in the topside also be used for a copper conductor, these conductors can be supplied as pre-bend. However this depends on radius of the curve as well as on the thickness of the conductors. The same applies for vertical curves and the copper conductors in the side of the Multiconductor. See table.

In all other cases the copper conductors can be rolled directly from the drum through the curves.

Pre-bend strips are required for installations with following conductors and radii (horizontal or vertical):

type copper conductor	curves up to radius R
Cu35 *)	1200 mm
Cu50 *)	1500 mm
Cu80	2000 mm
Cu125	2500 mm
Cu160	3000 mm

*) Copper conductors Cu35 and Cu50 can not be pre-bend. If required, Cu80 shall be applied in the curve(s).