

ABSTRACT

A BALL JOINT FOR CABLE GUIDE

At the top of an upside-down box as a retainer 20 a recessed portion 24 is provided, with which an outer ring 23 which is coupled spherically with the curved surface of the cubic body 22 is coupled, the holding plate 26 fixes the position of the outer ring 23, the hollow shaft 32 is inserted in the cable insertion hole 29 provided in the cubic body 22, the male screw portion of the tip end of the hollow shaft 32 is screwed in the female screw portion 36 to be unified while clamping the cubic body with the guide member 31 and the hollow shaft 32, the guide member 31 is provided with a horn like widened guiding hole 30, the cable 40 drawn out from the hollow shaft 32 is bent along the inside of the guiding hole 30 of the guide member 31, and the cable 40 is taken out through the outlet 41 provided on the side wall of the retainer 20, thereby the guide member 31, the cubic body 22 and the hollow shaft 32 follow the movement of the cable 40.

Figure 1.