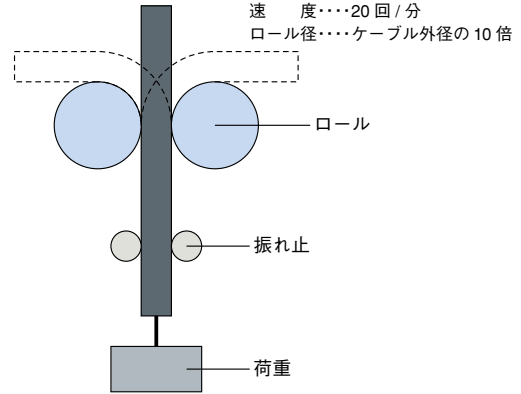


耐屈曲試験方法

(試験データについては、お問い合わせ下さい。)

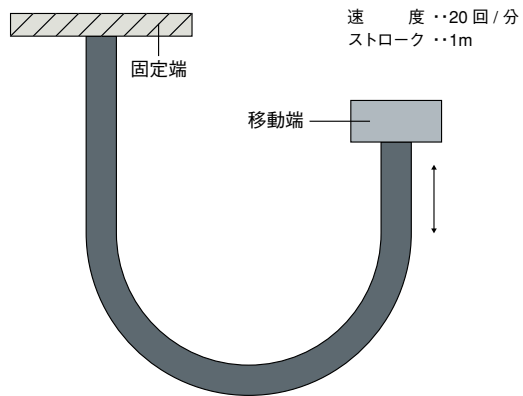
左右屈曲試験

電気用品別表 -1(7)へ(イ)b項に準じた試験で次の試験方法とする。
完成品から約2mの試料をとり、ケーブル外径の約10倍の円筒径の円弧に沿って90度屈曲させた後、直線状に戻し、次に反対方向に90度屈曲させた後に直線状に戻す操作を毎分約20回/分の速度で行う。



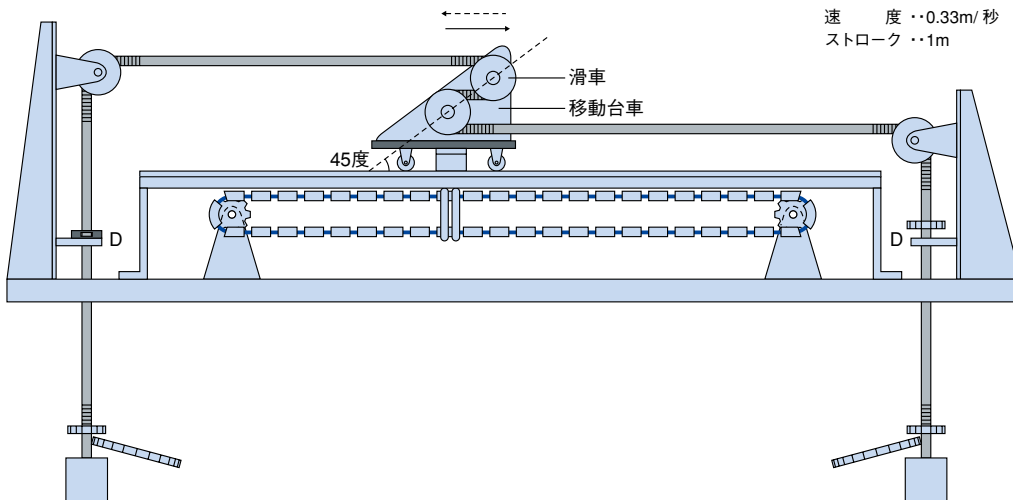
U字上下試験

完成品から約3mの試料をとり、図の試験装置にU字型に試料を取付け、ケーブルの一端を固定し、他端を毎分約20回/分の速度で1m上下に移動させる。



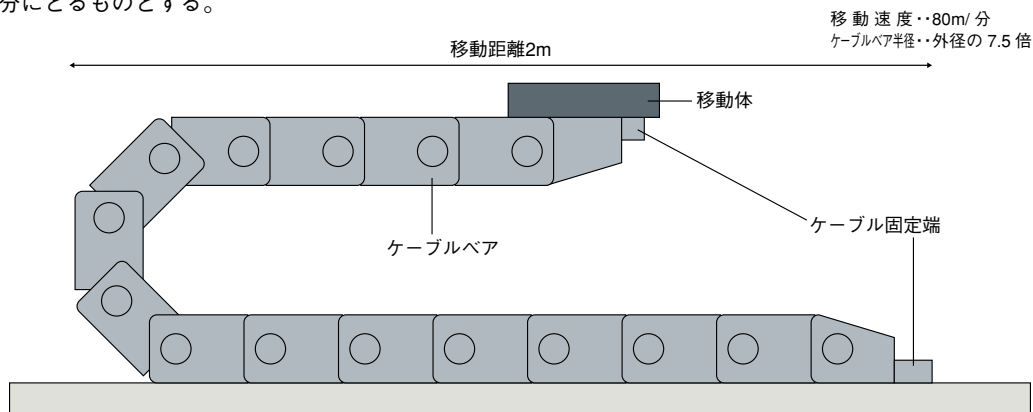
移動屈曲試験

JIS C 3305(ビニルコード) および電気用品別表一附表第二十六に準じた試験で次の試験方法とする。完成品から約5mの試料をとり、滑車を取付けた移動台車を次の図の試験装置に各滑車の部分が水平になるように取付け、その両端に1.5kgのおもりをつるし、移動台車を毎秒約0.33mの速さで1mの距離を移動させる。



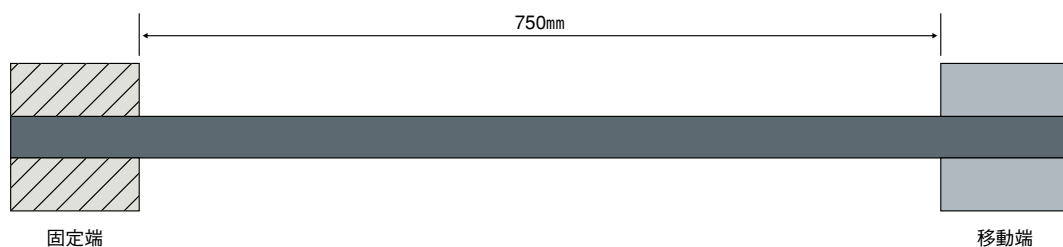
ケーブルベア試験

完成品から約4mの試料をとり、ケーブル外径の約7.5倍の半径のケーブルベアにケーブルを取り付け、毎分約80mの速度で2mの距離を移動させる。なお移動中、ケーブルがお互いに干渉しないように、ケーブルの間隔を充分にとるものとする。



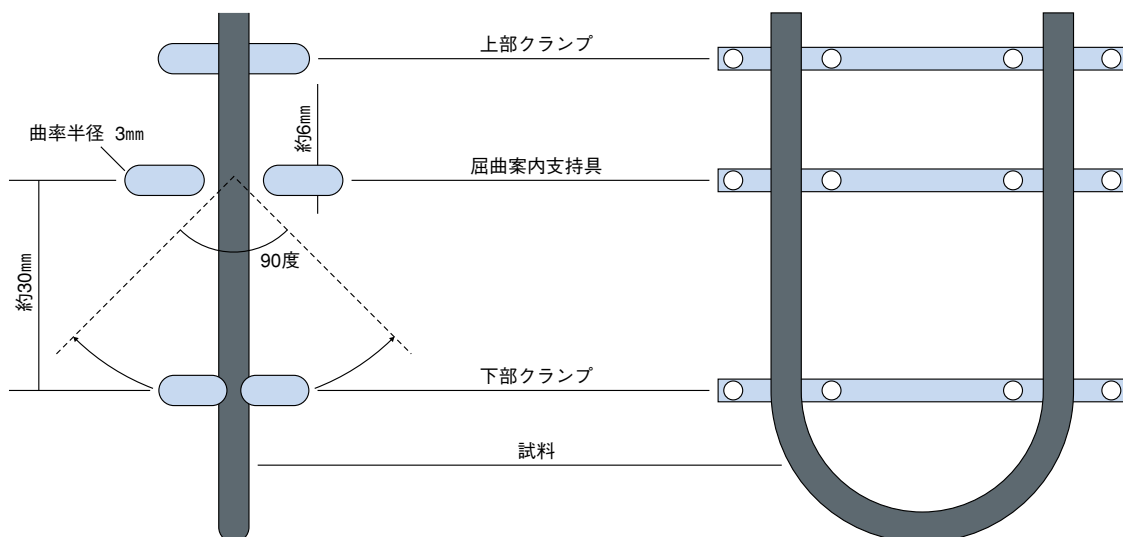
捻回試験

完成品より約1mの試料をとり、一端を固定し、他端を毎分約60回の回数で、左右にケーブルを180度捻じる。ケーブルを捻じる距離は750mmとする。



耐震試験

完成品から適当な長さの試料をとり、これをU字形に曲げ、その両端を次の図の耐震試験装置の上部クランプで固定し、下部クランプを屈曲案内支持具を支点として45度振動させて試料を屈曲させる。この操作を毎分約200回の速さで屈曲させる。



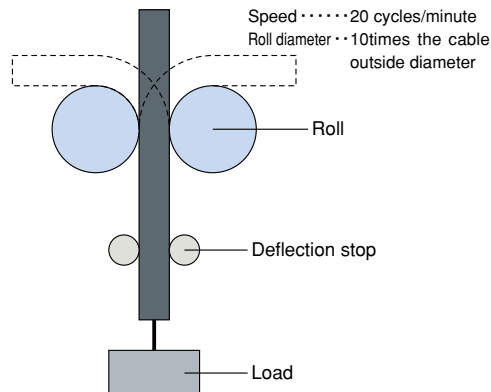
Bending Resistance Test Methods

(For data on the tests conducted on the cables, contact us.)

Left/Right Bending Test

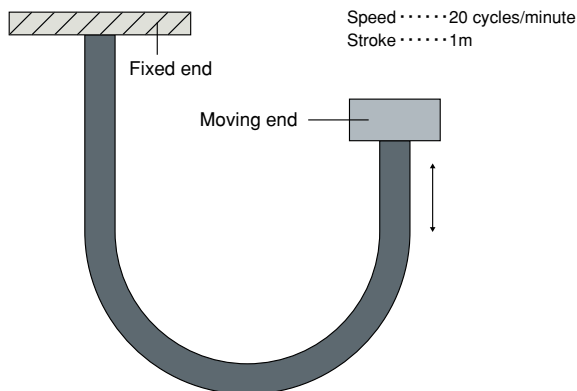
This test method is based on the test specified in the Electrical Appliance and Material Safety Law's attached table.

The procedure for the test is as follows. Take an approx. 2m specimen from the finished cable product and bend the specimen along the circular arc of the roll (whose diameter is about 10times the outside diameter of the cable) by 90 degrees in one direction (left or right) and return it to the original vertical position before bending it by 90 degrees in the other direction and returning it to the original vertical position. With the above series of steps as one cycle, perform the test at a rate of about 20 cycles/minute.



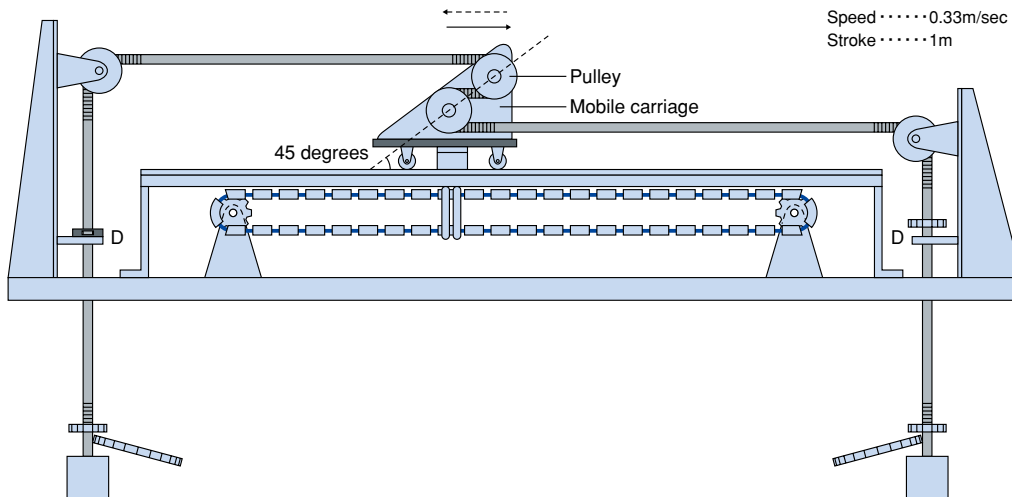
U-Shape UP/DOWN Resistance Test

The procedure for the test is as follows. Take an approx. 3m specimen from the finished cable product and mount the specimen in the specified testing equipment so that it forms a U shape as shown in the figure. With the cable fixed at one end, move its other end "up/down" over a distance of 1m as one stroke at a rate of about 20 cycles/minute.



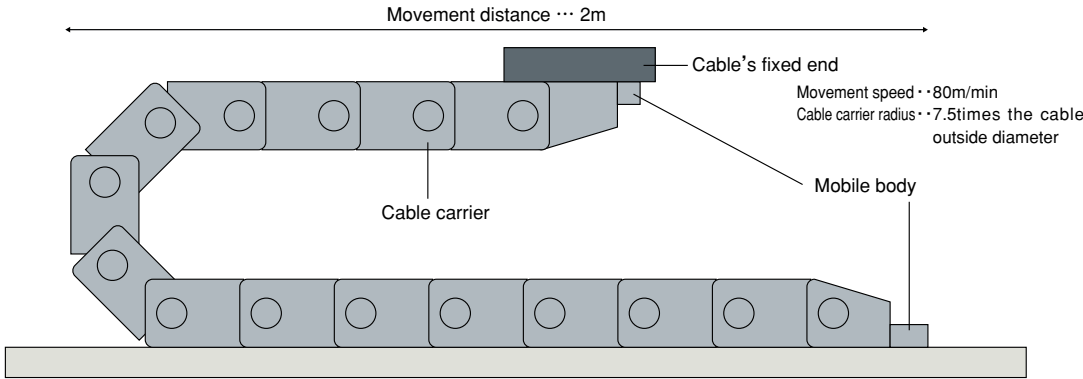
Flexing Test (Mobile Bending Resistance Test)

This test method is based on the test specified in Electrical Appliance and Material Safety Law's attached table. The procedure for the test is as follows. Take an approx. 5m specimen from the finished cable product and pass the specimen over the two pulleys on the mobile carriage mounted in the testing equipment as shown in the figure (so that the pulley portions are horizontal) with a 1.5kg weight suspended on each end of the cable.



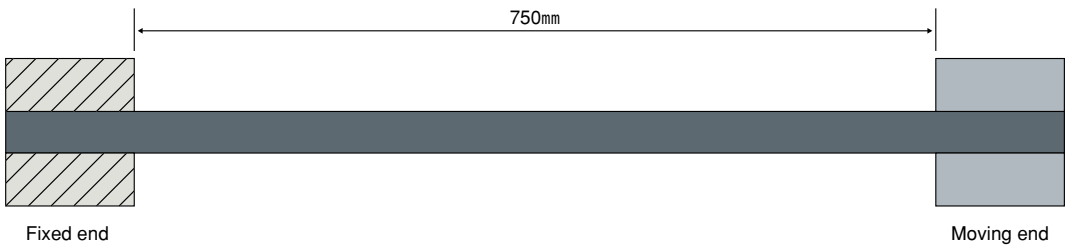
Cable Carrier Resistance Test

The procedure for the test is as follows. Take an approx. 4m specimen from the finished cable product and mount the specimen in cable carrier, the radius of which is approximately 7.5times the outside diameter of the cable and move it over a distance of 2m at a speed of approximately 80m/minute. During the test, make sure that the cables are sufficiently spaced apart to prevent them from interfering with each other.



Twist Resistance Test

The procedure for the test is as follows. Take an approx. 1m specimen from the finished cable product and fix the specimen at one end and twist its other end left/right by 180 degrees over a distance of 750mm as one cycle at a rate of approximately 60 cycles/minute.



45° Left/Right Vibration Resistance Test

The procedure for the test is as follows. Take a specimen of appropriate length from the finished cable product and bend the specimen into a U shape and mount it in the specified electric cord vibration tester, fixing it at both ends with the equipment's upper clamp, to bend it by swinging the equipment's lower clamp left/right each by 45 degrees with the equipment's bending guide support as a fulcrum for the bending. With the above series of steps as one cycle, perform the test at a rate of approximately 200 cycles/minute.

