HARMONIZED CABLES

H03VVH2-F
replace OMYp 300/300V


DESIGNATION

Pharnomized cables (H) with PVC insulation and sheath (VV), flat (H2), multi-stranded copper conductors (F) for use in moderately climate with alternating voltage (03):
- between each conductor and “ground” 300V
- between cable conductors 300V.

STRUCTURE
- conductors – multi-stranded copper line class 5 per HD383:1986,
- insulation – PVC,
- colors of conductors – brown, blue,
- sheath – PVC,
- colors of sheath – black, white or other agreed with customer.

PACKAGING

Normally cables are packaged in reels up to 360 mm in outer diameter protected with heat-shrinkable foil.

BENDING RADIUS

Minimum bending radius of cables in temperature 20±10°C: in permanent installation 3d, with free movement 5d, connected with portable device without mechanical load 5d, multiple reeling 7d, where d is outer diameter of cable.

TEMPERATURE

Cables for installation and work in the ambient temperature 5°C to 50°C. Maximum permissible long-lasting temperature of live conductor shall not exceed 60°C. Ambient stacking temperature shall not exceed 40°C, with sun exposure 60°C.

STANDARD


APPLICATIONS

Cables for connecting light mobile and portable receivers requiring high flexibility in light operating conditions, with small mechanical loads (e.g. table and floor lamps, home appliance, small office equipment, white goods, home dryers, etc.). Cables can be used in households, kitchens, offices, stores as long as it is in compliance with applicable equipment regulations.

- Cables are not suitable for connections of receivers with conductive elements of casing, cooking equipment, heating equipment, industrial power tools, etc.
- Cables are not suitable for applications in elevated temperature (e.g. in lighting fittings), permanently in open space, in damp rooms, in industrial or agricultural plants, as self-supporting elements, nonresistant to chemical substances, for direct burial.
- Incorrect use or application of mechanically damaged cables can cause electric shock, fire, disability or death.

CABLE PROPERTIES

<table>
<thead>
<tr>
<th>Cable structure</th>
<th>Outer dimension</th>
<th>Power load up to 30°C</th>
<th>Conductor resistance at 20°C</th>
<th>Insulation resistance at 70°C</th>
<th>Cable length in reel 1)</th>
<th>Approximate weight of 1 km of cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x 0.5</td>
<td>3.0 x 4.9</td>
<td>3.7 x 5.9</td>
<td>39.0</td>
<td>0.011</td>
<td>300</td>
<td>25.4</td>
</tr>
<tr>
<td>2 x 0.75</td>
<td>3.2 x 5.2</td>
<td>3.8 x 6.3</td>
<td>26.0</td>
<td>0.010</td>
<td>260</td>
<td>31.0</td>
</tr>
</tbody>
</table>

1) Outer diameter of reels 360 mm.