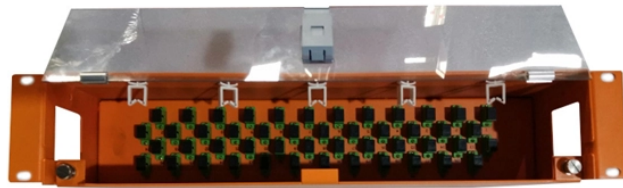


Lateral displacement of cable tray



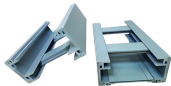
Lateral displacement of cable tray



In the transverse direction of the cable trays the lateral forces from the middle level of cable trays were assumed to be transferred to the upper and lower cable tray levels using vertical steel rods that were ...



Review of typical conduit and cable tray support systems in the earthquake experience and shake table test data base indicates that many overhead mounted support types are inherently ductile for lateral ...



If a tray or duct is used and it is mounted with the short dimension in the horizontal plane, the maximum spacing for restraints should be based on the allowable spacing for a pipe of



For ladder or ventilated trough trays, the total sum of the cross-sectional areas of all the cables to be installed in the cable tray must be equal to or less than the allowable cable area for the tray width, as ...



Seismic response of the cable trays and their supports are produced due to seismic excitation of the supports. These loads are usually not considered and trays are provided with expansion joints in ...



Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads. Specifications typically require this to be applied at the midpoint of the span between ...



The major factors which affect the damping ratio of the cable tray systems are the input acceleration level, cable fill ratio, and the ability of the cables to move within the trays during a safe shutdown ...



Cable tray length is selected based on the load to be supported, the distance between the supports (also referred to as the span), and handling and installation constraints.



A small amount of engineering is required to change the width of a cable tray to gain additional wiring space capacity. Change is a complex problem when conduit banks are involved.

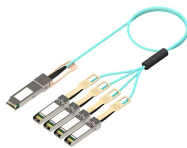


Fig. 18 presents the relation between lateral seismic brace spacing and maximum displacement of cable trays in 3-story, 7-story, and 15-story steel frames, respectively.



When fitting cable trays and their accessories, the products are cut on site to create changes of direction, adjust sections, etc. Damage can also occur during handling; as a result, both the ...

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