AdHoc – Logic Level / Communications Wiring

MINUTES OF THE SPRING 2018 MEETING

Disney's Contemporary Resort, Lake Buena Vista, FL

The meeting was called to order by Chair, Paul Barnhart on April 24, 2018 at ~4:15 PM.

Membership and attendance status were not recorded.

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Recommendation to Switchgear Assemblies Sub-Committee based on discussions as follows:

1. Wiring across the hinge

Use the following text in each of the standards

> Wiring that crosses a hinge shall be suitable for this use, as defined by the following criteria:
>
> a. Single conductors shall be stranded wire, and
> b. The wire shall be flexible wire, and
> c. The loop formed by the wiring as it crosses the hinge shall be secured to the equipment at both ends, in such a manner that negligible strain is transmitted to wire beyond the securements, and
> d. The wiring shall not prevent the door from opening to the intended maximum opening, with a minimum of 90 degrees, and
> e. The wire loop is to be protected between the securements to provide a degree of protection against damage to the wire insulation as the door is moved, and
> f. No sharp edges or objects are allowed in the path swept by the wire loop as the door is operated, and
> g. If the wire is No. 14 AWG or larger wire, the wire shall be no less flexible than Class C or D stranding.

2. Wire Size

Add the following text in each of the standards, following the requirement for #14 (SIS)

> When required for connection to a specific component, low-energy signaling and communication wiring is specifically excluded from the above ampacity requirements. The wire shall meet the voltage, current, and temperature requirements of the circuit in which it is used and the location where it is installed.

Meeting adjourned - Time was not recorded.

Reported by:

Paul Barnhart
Chair – AdHoc
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