SCC18 Adhoc Report

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Reflector and Web

- To subscribe to the SCC18 adhoc reflector, send an email to:

  ListServ@ieee.org

  with the following in the body of the message (do not include "<>"):

  subscribe stds-802-3-SCC18 <yourfirstname> <yourlastname>

  end

- Send SCC18 adhoc reflector messages to:

  stds-802-3-SCC18@listserv.ieee.org

- Adhoc web page URL:

  http://www.ieee802.org/3/ad_hoc/SCC_18/index.html

Meetings

March 29
April 12, 26
May 3, 10, 17, 22

Next meeting: Wednesday May 31, 1PM ET

Liaisons

Show:

IEEE_802d3_to_SCC18_0517_draft.doc

725 misc

Section 725.2 Definitions

Insert the following new definition and Informational Note.

Nominal Current. The designated current per conductor as specified by equipment design.

Informational Note: One example of nominal current is 4-pair Power over Ethernet (PoE) applications based on IEEE Std 802.3-2015, *IEEE Standard for Ethernet,* that supplies current over 2 or 4 twisted pairs. The nominal current for 60 watt PoE power sourcing equipment is 0.3 amperes per conductor, where the current in one conductor can be 0.36 amperes and another conductor can be 0.24 amperes.

Section 725.121(C) Marking. The power sources for limited power circuits in 725.121(A)(3) and limited power circuits for listed audio/video information technology (equipment) and listed industrial equipment in 725.121(A)(4) shall have a label indicating the maximum voltage and maximum current, or maximum voltage and nominal current, output for each connection point. Where multiple connection points have the same rating, a single label shall be permitted to be used. The effective date shall be January 1, 2018.

Exception: Marking shall not be required for power sources providing 0.3 amperes nominal current or less per conductor.

Section 725.144(A)

(A) Use of Class 2 or Class 3 Cables to Transmit Power and Data. Where Types CL3P, CL2P, CL3R, CL2R, CL3 or CL2 transmit power and data, ~~the following shall apply, as applicable:~~ ~~(1)~~ ~~The~~ the ampacity ratings in Table 725.144 shall apply to the nominal current at an ambient temperature of 30°C (86°F). ~~(2)~~ For ambient temperatures above 30°C (86°F), the correction factors of 310.15(B)(2) shall apply.

Exception: Compliance with Table 725.144 shall not be required for installations where the nominal current does not exceed 0.3 amperes in any conductor.

725.144B

Section 725.144(B)
(B) Use of Class 2-LP or Class 3-LP Cables to Transmit Power and Data. Types CL3P-LP, CL2P-LP, CL3R-LP, CL2R-LP, CL3-LP, or CL2-LP shall be permitted to supply power to equipment at a current level up to the marked ampere limit located immediately following the suffix LP and shall be permitted to transmit data to the equipment. For ambient temperatures above 30°C (86°F), the correction factors of 310.15(B)(2) shall apply. The Class 2-LP and Class 3-LP cables shall comply with the following, as applicable:

840.160

Section 840.2 Definitions

Insert the following new definition and Informational Note.

Nominal Current. The designated current per conductor as specified by equipment design.

Informational Note: One example of nominal current is 4-pair Power over Ethernet (PoE) applications based on IEEE Std 802.3-2015, *IEEE Standard for Ethernet,* that supplies current over 2 or 4 twisted pairs. The nominal current for 60 watt PoE power sourcing equipment is 0.3 amperes per conductor, where the current in one conductor can be 0.36 amperes and another conductor can be 0.24 amperes.

Section 840.160 Powering Circuits. Communications cables, in addition to carrying the communications circuit, shall also be permitted to carry circuits for powering communications equipment ~~Where the power supplied over a communications cable to communications equipment is greater than 60 watts, communication cables and the power circuit~~ Installations of listed communications cables shall comply with 725.144 where listed communications cables are used in place of Class 2 and Class 3 cables.

Exception: Compliance with 725.144 shall not be required for installations of listed 4-pair communications cables where the nominal current does not exceed 0.3 amperes in any conductor.

Motion

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_SCC18_0517_draft.doc with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to IEEE SCC18.

Mover: Chad Jones
Seconder: Matthias Wendt

Technical, 75%
Y: 65 N: 0 A: 2

TC 64

Adhoc found two sections of concern:

716.432.4.101

Add the following:

Overcurrent protection may be provided by sensing circuits in the power supply equipment that automatically disconnect on sensing an overcurrent. The time/current characteristics of the sensing and disconnection circuit shall provide a level of protection not less than that provided by devices specified in Clause 432. The circuit shall not reset automatically.

716.521.8.101

Add the following:

Each line of the d.c. circuit shall consist of at least one pair of conductors of a multipair cable connected in parallel.

Motion

Move that the IEEE 802.3 Ethernet Working Group direct the IEC TC 64 Class D liaison support the comments that provide clear support for PoDL and that address auto-restart of PSEs.

Mover: Chad Jones
Seconder: SECOND

Technical, 75%
Y: xx N: xx A: xx

Thank You!