



Canadian Standards Association
Mississauga, Ontario
To the Part I Committee

Subject No. 2806 Chair: B. McMullan & S. Douglas Date: December 2, 2004

Title: Use of Nonmetallic Sheathed Cable in Temporary Wiring, Rule 76-014(1)

Submitted by: G. Timlick of Manitoba Hydro, 12-1146 Waverly Street, Winnipeg, Manitoba, R3C 2P4, Tel: (204) 474-4078, Fax: (204) 475-0273 on September 17, 1997.

Proposal: Amend Rule 76-014(1) to read as follows:

76-014(1) Nonmetallic sheathed cable shall be permitted to be used for branch circuits providing:

- (a) It is installed in accordance with Section 12; and
- (b) It is not smaller than No. 14 AWG when of copper and not smaller than No. 12 AWG when of aluminum.

Reasons for Request: To recognize a practice that is being used successfully by most installers especially now that NMD is suitable in damp locations. The concern for voltage drop and mechanical protection is addressed by Section 12.

Supporting Information:

Manitoba Electrical Inspection Bulletin # 3, Article 9.

9. SECTION 76 - USES OF NONMETALLIC SHEATHED CABLE FOR TEMPORARY WIRING.

The requirements of Subrule 76-014(1), Paragraphs (a) and (b), are relaxed to permit the use of any type of nonmetallic sheathed cable in sizes not smaller than No. 14 AWG copper provided that the cable is installed in accordance with Section 12 and listed in Table 19 as being suitable for the location.

Article 305 of the NEC would also support this request.

Chair's Comments: I support the proposal - NMD has been used in temporary installations for many years, and I'm not aware of any incidents resulting from its use.

Chair's Comments (SECOND ROUND): It has been pointed out that NMD is not made any smaller than No. 14 AWG copper so "(b)" is not required. The proposal will now read:

76-014(1) Nonmetallic sheathed cable shall be permitted to be used for branch circuits providing it is installed in accordance with Section 12.

Subcommittee Deliberations: Three members replied in the affirmative.

Subcommittee Recommendation: Accept the proposal under Chair's Comments (Second Round).

Round 3:

At a previous Part 1 meeting the Round 2 proposal was defeated. Following is a copy minutes from the Part 1 meeting:

**M101-2806
(98-11-16)**

Use of Nonmetallic Sheathed Cable In Temporary Wiring. Rule 76-014(1)
In response to one of the objections, it was agreed that this cable is not designed for this use but that it had been used successfully for many years. Another objection suggested that the Rule was not required as it is redundant and that it could be deleted and it was proposed that be done. However, it was thought that was too big a change to do at this level.

Another concern was the blanket reference to Section 12 since that Section contradicted what was being proposed here. It was thought that it should be more specific in the references.

**Action by
JR Layden**

Motion: That the Subcommittee's recommendation as shown on Page 120 be reaffirmed.

**Defeated
For - 5**

Round 3 Proposal: Amend Subrule 76-014(1) to read as follows:

76-014(1) Nonmetallic sheathed cable shall be permitted to be used for branch circuits providing it is installed in accordance Rule 12-500.

Round Three Subcommittee Deliberation: Four members responded, three agreed, one disagree with the following comment.

Rule should stay the way it is, as I don't think the insulation on NMD90 is heavy enough.

Subcommittee Recommendation:

Amend Subrule 76-014(1) to read as follows:

76-014(1) Nonmetallic sheathed cable shall be permitted to be used for branch circuits providing it is installed in accordance Rule 12-500.