

ELECTRICAL INSPECTION BULLETIN
B-12-500
Installation and Support of Non-metallic Sheathed
Cables



(Effective 2015/12/01)

Non-metallic sheathed cables shall be supported by straps or other devices as required by CEC Rule 12-510. In residential combustible-type construction, the most common way of providing this support is by the use of staples.

Rule 12-506(6) requires that two-conductor cables not be stapled on edge. Rule 12-508 requires that the cables not be bent or stapled so as to damage its outer covering.

Staples acceptable for use with Non-metallic Sheathed Cables are normally only approved for use with a single cable in a specified size range.

The support of multiple cables under one staple is not acceptable unless the staple is specifically approved for such.

The following table may be used as a guide when selecting the proper staples:

Please note that this table is not intended to be a complete listing of all approved staples and should not be used to restrict the use of staples legitimately approved under C.E. Code Rule 2-024 "Use of Approved Equipment".

Cable Size AWG	Maximum # of Cables	Catalogue Number	Manufacture
14/2,12/2	1	S-64 C-500 PS-200	Microelectric Microelectric Microelectric
14/2,12/2 14/3,12/3	1	S-65 C-600	Microelectric Microelectric
14/3,12/3 10/3,10/2	1	S-66 C-700	Microelectric Microelectric
14/2,12/2 10/2,14/3,12/3	2	S-67 C-750	Microelectric Microelectric
14/2,12/2 14/3,12/3	1	S-3	Iberville
14/2,12/2 10/2,8/2 14/3,12/3	2	S-4	Iberville
10/3,8/3	1	S-4	Iberville

- Cable ties shall be permitted to be used for support in accordance with Rule 12-510(4) provided they are installed using cable ties specifically approved for the purpose and meeting the requirements of Department of Labour and Advanced Education Electrical Bulletin 2015-01.

Other acceptable devices may include, but not be limited to, 1 and 2 Hole Cable Straps, Nailing Straps, C.J. Series Caddy Fasteners, and PVC. /Metallic Conduit Clamps for Non-Metallic Sheathed Cables and Armour Cables, etc. In all cases the number of cables shall be limited to the maximum permitted under its approval or where not specifically noted as may be permitted by the Field Wiring Inspector.