

SECTION 26 05 21 {16125}

UNDERCARPET CABLE

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This section includes flat conductor cable and fittings for power, communications, and data circuits, intended for installation on concrete slab under carpet tile

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at [www.4specs.com](http://www.4specs.com), ARCAT at [www.arcata.com](http://www.arcata.com), First Source at [www.reedfirstsource.com](http://www.reedfirstsource.com), SpecSource at [www.specsource.com](http://www.specsource.com), and Sweets Network at [products.construction.com](http://products.construction.com).

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at [supportcenter@csrf.org](mailto:supportcenter@csrf.org) to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at [www.spectext.com](http://www.spectext.com) for current product announcements.

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PART 1 GENERAL

1.1 SUMMARY

- A. Section includes flat conductor power cable; flat conductor telephone cable; flat conductor data cable; optical fiber undercarpet cable; and flat conductor cable fittings, connectors, outlets.

1.2 REFERENCES

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List reference standards included within text of this section. Edit the following for Project conditions.

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- A. National Electrical Manufacturers Association:
  - 1. NEMA UC 2 - Undercarpet Power Distribution Systems.
- B. International Electrical Testing Association:
  - 1. NETA ATS - Acceptance Testing Specifications for Electrical Power Distribution Equipment and Systems.

1.3 SUBMITTALS

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Only request submittals needed to verify compliance with Project requirements.

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- A. Section 01 33 00 - Submittal Procedures {01330 - Submittal Procedures}: Submittal procedures.
- B. Shop Drawings: Indicate layout of cabling, including identification of cable types, components, and circuits.
- C. Product Data: Submit data for each component.

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Include the following paragraph for submission of physical samples for selection of finish, color, texture, and other properties.

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- D. Samples: Submit two of each type of outlet fitting illustrating color, finish, and profile.

#### 1.4 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution and Closeout Requirements {01700 - Execution Requirements}: Closeout procedures.
- B. Project Record Documents: Record actual locations of flat conductor cable, transition boxes, and service fittings. Indicate circuiting arrangements.
- C. Operation and Maintenance Data: Submit instructions for repairing and extending cable.

#### 1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years [documented] experience.

#### 1.6 PRE-INSTALLATION MEETINGS

- A. Section 01 30 00 - Administrative Requirements {01300 - Administrative Requirements}: Pre-installation meeting.
- B. Convene minimum [one] [\_\_\_\_\_] week prior to commencing work of this section.

#### 1.7 ENVIRONMENTAL REQUIREMENTS

- A. Section 01 60 00 - Product Requirements {01600 - Product Requirements}.
- B. Do not install flat conductor cable until construction traffic has been restricted and floor surfaces are ready for modular carpet installation.

#### 1.8 FIELD MEASUREMENTS

- A. Verify field measurements are as indicated [on shop drawings].