

**(B) Optional Markings.** Flexible cords and cable types listed in Table 400.4 shall be permitted to be surface marked to indicate special characteristics of the cable materials. These markings include, but are not limited to, markings for limited smoke, sun-light resistance, and so forth.

In addition to the markings identified in 400.6(A) and (B), the UL guide information, under the category Flexible Cord (ZJCZ), lists the following markings:

1. "For Mobile Home Use," "For Recreational Vehicle Use," or "For Mobile Home and Recreational Vehicle Use" followed by the current rating in amperes indicates suitability for use in mobile homes or recreational vehicles.
2. "W" indicates suitability for use outdoors and for immersion in water. The low-temperature rating for these cords is  $-40^{\circ}\text{C}$ , unless otherwise marked on the cord with optional ratings of  $-50^{\circ}\text{C}$ ,  $-60^{\circ}\text{C}$ , or  $-70^{\circ}\text{C}$ . The low-temperature ratings are determined by means of a bend test (not a suppleness test) at the given temperature. The cord may be additionally marked "Water Resistant."
3. "VW-1" indicates that the cord complies with a vertical flame test. Cord that has been investigated for leakage currents between the circuit conductor and the grounding conductor and between the circuit conductor and the outer surface of the jacket may have the values marked on the cable jacket. UL 62, *Standard for Flexible Cords and Cables*, is the relevant product certification standard for these types of flexible cords.

#### 400.10 Uses Permitted.

**(A) Uses.** Flexible cords and flexible cables shall be used only for the following:

- (1) Pendants.
- (2) Wiring of luminaires.
- (3) Connection of portable luminaires, portable and mobile signs, or appliances.
- (4) Elevator cables.
- (5) Wiring of cranes and hoists.
- (6) Connection of utilization equipment to facilitate frequent interchange.
- (7) Prevention of the transmission of noise or vibration.
- (8) Appliances where the fastening means and mechanical connections are specifically designed to permit ready removal for maintenance and repair, and the appliance is intended or identified for flexible cord connection.
- (9) Connection of moving parts.
- (10) Where specifically permitted elsewhere in this *Code*.
- (11) Between an existing receptacle outlet and an inlet, where the inlet provides power to an additional single receptacle outlet. The wiring interconnecting the inlet to the single receptacle outlet shall be a Chapter 3 wiring method. The inlet, receptacle outlet, and Chapter 3 wiring method, including the flexible cord and fittings, shall be a listed assembly specific for this application.

Section 400.10(A)(11) permits a flexible cord or flexible cable to be used between an existing receptacle outlet and an inlet that provides power to a listed assembly used to supply a flat screen TV or similar equipment. The inlet is connected to a Chapter 3 wiring method that runs through the wall to a standard receptacle, into which the flat screen TV is plugged. The listed assembly is not directly connected to the wiring system of the house but is energized only when the rubber cord is plugged into an existing receptacle outlet. See Exhibit 400.1 for an example of a listed assembly.

**(B) Attachment Plugs.** Where used as permitted in 400.10(A)(3), (A)(6), and (A)(8), each flexible cord shall be equipped with an attachment plug and shall be energized from a receptacle outlet or cord connector body.

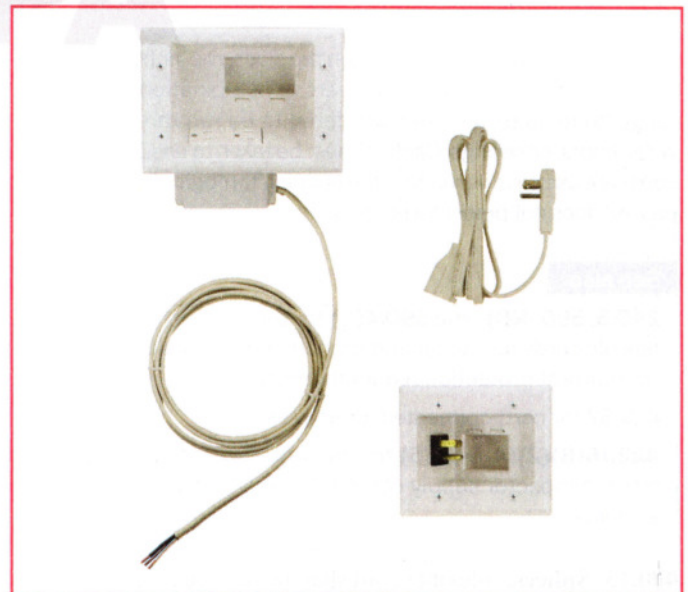
*Exception: As permitted in 368.56.*

**400.12 Uses Not Permitted.** Unless specifically permitted in 400.10, flexible cords, flexible cables, cord sets, and power supply cords shall not be used for the following:

- (1) As a substitute for the fixed wiring of a structure
- (2) Where run through holes in walls, structural ceilings, suspended ceilings, dropped ceilings, or floors
- (3) Where run through doorways, windows, or similar openings
- (4) Where attached to building surfaces

*Exception to (4): Flexible cord and flexible cable shall be permitted to be attached to building surfaces in accordance with 368.56(B) and 590.4.*

- (5) Where concealed by walls, floors, or ceilings or located above suspended or dropped ceilings



**EXHIBIT 400.1** A listed assembly that includes an inlet, a receptacle outlet, a Chapter 3 wiring method, and a flexible cord. (Courtesy of DataComm Electronics, Inc.)