

Chapter E 351

LIQUID-TIGHT FLEXIBLE METAL CONDUIT

E 351.01 Purpose
E 351.02 Use

E 351.03 Maximum size
E 351.04 Conductor size

E 351.01 Purpose. Liquid-tight flexible metal conduit is not intended as a general purpose raceway material. The provisions of this chapter shall apply to a type of flexible conduit having an outer liquid-tight jacket and employed with suitable terminal fittings approved for the purpose.

History: Cr. Register, January, 1968, No. 145, eff. 2-1-68.

E 351.02 Use. The use of this wiring material shall be restricted as follows:

(1) For the connection of motors or portable equipment where flexibility of connection is required.

(2) Liquid-tight flexible metal conduit shall not be used under the following conditions: (a) where subject to physical damage; (b) where in contact with rapidly moving parts; (c) under conditions such that its temperature, with or without enclosed conductors carrying current, is above 60°C. (140°F.); (d) in any hazardous location, except as described in section E 501.04 (2), sections E 502.04 and E 503.03, unless it is specially approved for such use.

History: Cr. Register, January, 1968, No. 145, eff. 2-1-68.

E 351.03 Maximum size. The maximum size of liquid-tight flexible metal conduit shall not exceed 3 inch electrical trade size.

History: Cr. Register, January, 1968, No. 145, eff. 2-1-68.

E 351.04 Conductor size. The maximum size of conductor installed in liquid-tight flexible metal conduit shall not exceed the following values:

Trade Size of Conduit	Size of Conductor
3/8 inch.....	16 AWG
1/2 inch.....	12 AWG
5/8 inch.....	8 AWG
1 inch.....	6 AWG
1 1/4 inch.....	2 AWG
1 1/2 inch.....	1 AWG
2 inch.....	00 AWG
2 1/2 inch.....	0000 AWG
3 inch.....	350 MCM

Liquid-tight flexible metallic conduit in sizes 1 1/2 inch and larger shall be bonded in accordance with section E 250.079 unless specifically approved for use without a separate bond.

History: Cr. Register, January, 1968, No. 145, eff. 2-1-68.