

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, April, 1964, No. 100, eff. 5-1-64.

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 subsection E 501.04 (2), sections E 502.04 and E 503.03, unless it is specially approved for such use.

History: Cr. Register, April, 1964, No. 100, eff. 5-1-64.

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, April, 1964, No. 100, eff. 5-1-64.

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
$\frac{3}{8}$ inch.....	16 Awg
$\frac{1}{2}$ inch.....	12 Awg
$\frac{3}{4}$ inch.....	8 Awg
1 inch.....	6 Awg
$1\frac{1}{4}$ inch.....	2 Awg
$1\frac{1}{2}$ inch.....	1 Awg
2 inch.....	00 Awg
$2\frac{1}{2}$ inch.....	0000 Awg
3 inch.....	350 MCM

Liquid-tight flexible metallic conduit in sizes $1\frac{1}{2}$ 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, April, 1964, No. 100, eff. 5-1-64.