

Subject 1242

May 11, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Electrical Intermediate Metal Conduit - Steel, UL 1242, are being proposed:

1. Clarification to Table 9.1 of UL 1242

STP BALLOTS AND ALL COMMENTS DUE: June 10, 2018

If you are interested in applying for STP 6 membership or are aware of potential candidates for this STP, please contact the STP Project Manager, Joshua.Johnson@ul.com.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Clarification to Table 9.1 of UL 1242

RATIONALE

Proposal submitted by: Daniel Haiducu, Underwriters Laboratories Inc.

This proposed revision is intended to drive consistency between the two Standards UL 6 (The Standard for Electrical Rigid Metal Conduit) and UL 1242 (The Standard for Electrical Intermediate Metal Conduit Steel) by revising Table 9.1 column heading in UL Standard 1242.

PROPOSAL

Table 9.1
Exterior diameters, wall thicknesses, and standard length of straight conduit

Trade size	(Metric design.)	Exterior diameters				Wall thicknesses				Standard Length of straight finished conduit ^a without a coupling attached (±1/4 inch or ±6 mm)		
		Maximum,		Minimum,		Maximum,		Minimum,				
		inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)	Feet and inches		(mm)
1/2	16	0.820	20.83	0.810	20.57	0.085	2.16	0.070	1.79	9	11-1/4	3030
3/4	21	1.034	26.26	1.024	26.01	0.090	2.29	0.075	1.90	9	11-1/4	3030
1	27	1.295	32.89	1.285	32.64	0.100	2.54	0.085	2.16	9	11	3025
1-1/4	35	1.645	41.78	1.630	41.40	0.105	2.67	0.085	2.16	9	11	3025
1-1/2	41	1.890	48.01	1.875	47.62	0.110	2.79	0.090	2.29	9	11	3025
2	53	2.367	60.12	2.352	59.74	0.115	2.92	0.095	2.41	9	11	3025
2-1/2	63	2.867	72.82	2.847	72.31	0.160	4.06	0.140	3.56	9	10-1/2	3010
3	78	3.486	88.54	3.466	88.04	0.160	4.06	0.140	3.56	9	10-1/2	3010
3-1/2	91	3.981	101.12	3.961	100.61	0.160	4.06	0.140	3.56	9	10-1/4	3005

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Table 9.1 Continued

Trade size	(Metric desig.)	Exterior diameters				Wall thicknesses				Standard Length of straight finished e Conduit ^a without a coupling attached (±1/4 inch or ±6 mm)		
		Maximum,		Minimum,		Maximum,		Minimum,				
		inches	(mm)	inches	(mm)	inches	(mm)	inches	(mm)	Feet and inches	(mm)	
4	103	4.476	113.69	4.456	113.18	0.160	4.06	0.140	3.56	9	10-1/4	3005

^a The lengths indicated are designed to produce a 10-foot (3.05-m) length of conduit when a standard coupling is attached.

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