

STANDARD INFORMATION

Standard Number: UL 1203

Standard Name: Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

Standard Edition and Issue Date: 5th Edition Dated November 22, 2013

Date of Revision: February 16, 2018

Date of Previous Revision of Standard: October 16, 2015

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **August 16, 2019**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revise requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

Overview of Changes: Revisions to 102.11 and the Conductor Fill in Table 102.1. Specific details of new/revise requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise requirements do not apply to your product (s).

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are underlined and deletions are shown lined out below.</i>
102	Info	Markings
102.11		The instructions provided with each fitting shall include the number, size, and type of wires that can be <u>properly sealed in the fitting during installation in the field, and that comply with</u> as determined by the Leakage of Sealing Fittings Test, Section 86. For example, for instructions for a fitting intended for 25 percent maximum fill, see Table 102.1.



Example of instructions for the maximum number of conductors that can be properly sealed in a fitting under normal field installation conditions

The maximum number of wires^{a,b} that can be sealed in a sealing fitting are as follows:

Size AWG or MCM	1/2 Inch		3/4 Inch		1 Inch		1-1/4 Inch		1-1/2 Inch		2 Inch		2-1/2 Inch		3 Inch		3-1/2 Inch		4 Inch		5 Inch		6 Inch	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
18	7	11	12	20	20 99	12 20	20 33	35 58	49 80	60 104	115 107	170												
16	6	9	10	16	17	27	30 47	44 64	60 106	90 164	150													
14	3	8	6	15	10	24	18 43	25 58	44 96	68 127	90			424		455	121							
12	3	6	5	11	8	18	15 32	24 43	34 74	50 102	76 158	409					432							
10	1	4	4	7	7	11	13	20	17 27	29 46	44 65	64 100	86 134	110										
8	1	2	2	4	4	6	7	11	9	16	16 26	22 37	35 58	47	78	60 100	84 167	107						
6	1	1	1	2	2	4	4	7	6	9	10	16	15	23	28 35	32 47	44 64	64 96	93 139					
4	1	1	1	1	1	2	3	4	5	6	8	9	12	14	18	21	24 29	34 37	40 59	72 85				
3			1	1	1	2	3	3	4	5	7	8	10	12	16	18	24 24	28 34	44 50	63 72				
2			1	1	1	1	3	3	3	4	6	7	9	10	14	15	16 18	21 24	28 31	44 50				
1			1	1	1	1	1	2	3	3	4	5	7	7	10	11	14 15	18 20	24 26	38 42				
0					1	1	1	2	2	2	4	4	6	6	9	9	12 13	16 16	25 26	37 39				
2/0					1	1	1	1	1	2	3	3	5	5	8	8	11	11	14	14	22 22	22 32	22 32	22 32
3/0					1	1	1	1	1	1	3	3	4	4	7	7	9	9	12	12	19 19	19 19	27 27	27 27
4/0							1	1	1	1	2	2	3	3	6	6	8	8	10	10	16 16	16 16	23 23	23 23
250							1	1	1	1	1	2	3	3	5	5	6	6	8	8	11 11	11 15	15 15	15 15
300							1	1	1	1	1	1	3	3	4	4	5	5	7	7	11 11	11 15	15 15	15 15
350							1	1	1	1	1	1	2	3	3	5	5	6	6	10	10	14 14	14 14	14 14
400									1	1	1	1	2	3	3	4	4	6	6	9	9	13 13	13 13	13 13
500									1	1	1	1	1	3	3	4	4	5	5	8	8	11 11	11 11	11 11
600											1	1	1	1	2	3	3	4	4	6	6	9 9	9 9	9 9
700											1	1	1	1	2	3	3	3	3	6	6	8 8	8 8	8 8
750											1	1	1	1	1	3	3	3	3	5	5	8 8	8 8	8 8
800											1	1	1	1	1	2	3	3	3	5	5	7 7	7 7	7 7
900											1	1	1	1	1	2	3	3	4	4	7 7	7 7	7 7	7 7
1000											1	1	1	1	1	1	1	3	3	4	4	6 6	6 6	6 6
1250													1	1	1	1	1	2	3	3	5 5	5 5	5 5	5 5
1500															1	1	1	1	3	3	4 4	4 4	4 4	4 4

^a Col. A = Types RFH-2, RH, RHH, RHW, THW, TW, XHHW (AWG 14 – 6), FEPB (AWG 6 – 2)
^b Col. B = FEP, THHN, THWN, TFN, PF, PGF, XHHW (AWG 4 – 2000 MCM), FEPB (AWG 14 – 8)
^c Any combination of these wires not exceeding 25 percent of a cross section of the conduit for the fitting they fill may be used.

Table 102.1

CUSTOMERS PLEASE NOTE: This Table and column “Verdict” can be used in determining how your current or future production is or will be in compliance with new/revised requirements.