

Number of pages in this package ____ [including additional pages ____]
 (Fill in when using printed copy as record)

CLIENT INFORMATION	
Company Name	MG WIRES Spółka z ograniczoną odpowiedzialnością Sp.K.
Address	Cieszyńska 6 Chybie, 43-520 Poland

AUDIT INFORMATION:			
Description of Tests	Per Standard No.	UL 854	Edition/ Revision Date
			12 th , 2020-01-10
<input checked="" type="checkbox"/> Tests Conducted by ¹		Tim Falvey	
<input type="checkbox"/> UL Staff conducting or witnessing testing (WTD, CTF Stage 1 or 2 only) <input type="checkbox"/> UL Staff supervising UL Staff in training			
<input type="checkbox"/> Authorized Signatory (CTDP, TPTDP, TCP, PPP, CTF Stage 3 or 4)			
		Printed Name	Signature. Include date for CTDP, TPTDP, TCP, PPP, CTF Stage 3 or 4

TESTS TO BE CONDUCTED:			
Test No.	Done ³	Test Name	<input type="checkbox"/> Comments/Parameters <input type="checkbox"/> Tests Conducted by ² <input type="checkbox"/> Link to separate data files ⁴
	x	IMPACT RESISTANCE OF SINGLE CONDUCTOR TYPE USE AND USE-2 CABLES	2021-10-28
	x	CRUSHING RESISTANCE TEST OF SINGLE CONDUCTOR TYPES USE AND USE-2	2021-10-28

Instructions -
 1 - When all tests are conducted by one person, name can be inserted here instead of including name on each page containing data.
 2 - When test conducted by more than one person, name of person conducting the test can be inserted next to the test name instead of including name on each page containing data. Test dates may be recorded here instead of entering test dates on the individual datasheet pages.
 3 - Use of this field is optional and may be employed differently. If used to include a date instead of entering the testing date on the individual datasheet pages, the date shall be the date the test was conducted.
 4 - Link to separate data files for a test can be inserted here. The link must be to a server that is accessible to UL staff, that provides for backup, required retention periods and a path, including file name, that does not change and result in a broken link. Not applicable to DAP.

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Special Instructions -

Unless specified otherwise in the individual Methods, the tests shall be conducted under the following ambient conditions. Confirmation of these conditions shall be recorded at the time the test is conducted.

Ambient Temperature, C _____ ± _____ Relative Humidity, % _____ ± _____ Barometric Pressure, mBar _____ ± _____

No general environmental conditions are specified in the Standard(s) or have been identified that could affect the test results or measurements.

RISK ANALYSIS RELATED TO TESTING PERFORMANCE:

The following types of risks have been identified. Take necessary precautions. This list is not all inclusive.

<input type="checkbox"/> Electric shock	<input type="checkbox"/> Radiation
<input type="checkbox"/> Energy related hazards	<input type="checkbox"/> Chemical hazards
<input type="checkbox"/> Fire	<input type="checkbox"/> Noise
<input type="checkbox"/> Heat related hazards	<input type="checkbox"/> Vibration
<input type="checkbox"/> Mechanical	<input type="checkbox"/> Other (Specify)___

Tested by: _____

Date _____

TEST LOCATION: (To be completed by Staff Conducting the Testing)					
<input checked="" type="checkbox"/> UL or Affiliate	<input type="checkbox"/> WTDP	<input type="checkbox"/> CTDP	<input type="checkbox"/> TPTDP	<input type="checkbox"/> TCP	<input type="checkbox"/> PPP
	<input type="checkbox"/> CTF	<input type="checkbox"/> CTF	<input type="checkbox"/> CTF	<input type="checkbox"/> CTF	
	Stage 1	Stage 2	Stage 3	Stage 4	
Company Name: UL LLC					
Address: 1285 Walt Whitman Rd. Melville, NY					

TEST EQUIPMENT INFORMATION

UL test equipment information is recorded on Meter Use.

UL test equipment information is recorded on <<insert location and local laboratory equipment system identification.>>

Inst. ID No.	Instrument Type	Test Number +, Test Title or Conditioning	Function /Range	Last Cal. Date	Next Cal. Date

+ - If Test Number is used, the Test Number must be identified on the data sheet pages or on the Data Sheet Package cover page.

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID No. below corresponds to the Inst. ID No. above.

Inst. ID No.	Make/Model/Serial Number/Asset No.

TEST SAMPLE IDENTIFICATION:

The table below is provided to establish correlation of sample numbers to specific product related information. Refer to this table when a test identifies a test sample by "Sample No." only.

Sample Card No.	Date Received	<input type="checkbox"/> Test No.+	Sample No.	Manufacturer, Product Identification and Ratings
4251919	2021-10-14		1	40 ft of one sample for Impact and Crushing resistance per UL 854; Photovoltaic cable (PV) H1Z2Z2-K acc. norm EN 50618

+ - If Test Number is used, the Test Number or Numbers the sample was used in must be identified on the data sheet pages or on the Data Sheet Package cover page.

Sampling Procedure -

This document contains data or information using color and if printed, should be printed in color to retain legibility and the information represented by the color.

Tested by: _____

Date _____

IMPACT RESISTANCE OF SINGLE CONDUCTOR TYPE USE AND USE-2 CABLES

Tested per: UL 854 Edition: 12 Paragraph: 23

Weight: 5 lb., Height: 1 ft., Base: 3/4 in., Diameter Mandrel

Requirement: Not acceptable if greater than 2 out of 10 samples exhibit conductor to metal contact causing the lamp to light or if the conductor becomes visible.

	Sample 1			
Trial 1	Ok			
Trial 2	Ok			
Trial 3	Ok			
Trial 4	Ok			
Trial 5	Ok			
Trial 6	Ok			
Trial 7	Ok			
Trial 8	Ok			
Trial 9	Ok			
Trial 10	Ok			
[x] RESULTS	Pass			
	S = Short	R = Rupture*	OK = Pass	-- Not tested

23c 49%rh

- Conductor visible

Tested by: _____

Date _____

CRUSHING RESISTANCE TEST OF SINGLE CONDUCTOR TYPES USE AND USE-2Tested per: UL 854 Edition: 12 Paragraph: 24

Moving at the rate of 1/2 inch per minute, the specimen was laid at right angles to the axis of two flat steel plates (2 x 4 x 1/2 in) Failures were indicated with a low voltage buzzer. Test shall be made without current.

Requirement: Average crushing force is not acceptable if less than 1000 lbf for test without current.

SAMPLE: 1 RATED CURRENT: - Amps

RESULTS

Recorded force at which short circuit occurs

	TEST WITHOUT CURRENT
	(lbf)
Trial 1	13417.7
Trial 2	9648.7
Trial 3	11474.9
Trial 4	10007.0
Trial 5	10850.9
Trial 6	13400.4
Trial 7	8403.7
Trial 8	11292.2
Trial 9	4968.0
Trial 10	8602.6
[x] Average force required to cause failure, lbf	10206.6

Lab Ambients: 24C, 39RH

Project No. 4790117513

File XXXX

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Tested by: _____

Date _____

END OF DATASHEET PACKAGE. THIS PAGE INTENTIONALLY LEFT BLANK