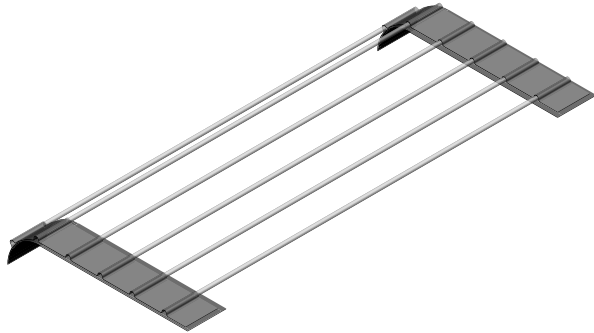


## Wire Jumper



Wire Jumper is made of tinned copper wire, taped in ammo or reel packing

### FEATURES

- Available in two diameters
- Excellent solderability characteristics
- Different types of packaging and taping configurations available
- Lead (Pb)-free solder contacts
- Pure tin plating provides compatibility with lead (Pb)-free and lead containing soldering processes
- Compatible with "Restriction of the use of Hazardous Substances" (RoHS) directive 2002/95/EC (issue 2004)



### APPLICATIONS

- General industrial applications
- General equipment
- The wire jumpers are suitable for use on cutting and bending machines and automatic insertions machines

TECHNICAL SPECIFICATIONS		
DESCRIPTION	AXIAL TAPED	
	Ø 0.58 Cu	Ø 0.8 Cu
Resistance	< 0.006 Ω	
Pull-off force	≥ 5N	
Solderability	IEC 60115	
Maximum current at 30 °C	7.0 A	10.0 A

### 12NC INFORMATION

- The wire jumpers have a 12-digit numeric code starting with 2306 101.
- The remaining last 5 digits indicate the packing quantity for 2 different types of wire diameters.

#### 12NC Example

The ordering code for a Ø 0.58 mm Cu wire jumper, supplied on bandolier of 5000 units in ammopack, is 2306 101 90169.

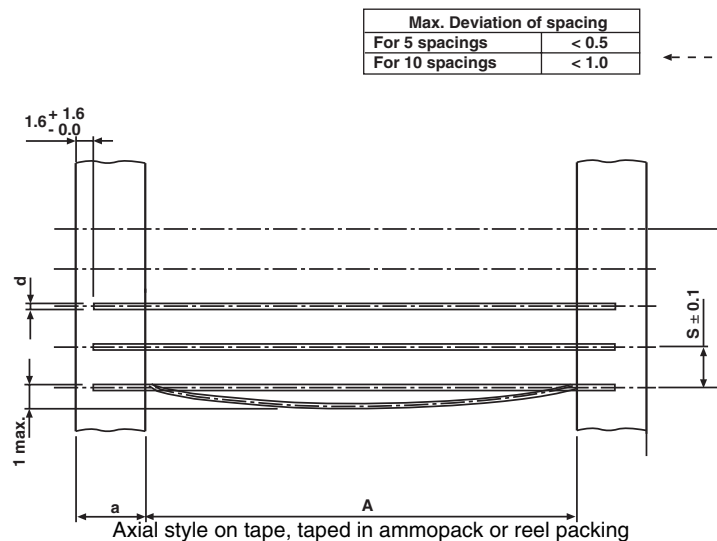
12NC - wire jumper type and packing				
TYPE	Ø d (mm)	QTY.	PACKING METHOD	CODE
2306 101 90169	0.58	5000	Ammo Box	A5
2306 101 90182	0.80	5000	Ammo Box	A5
2306 101 90201	0.58	10000	Ammo Reel	R0
2306 101 90202	0.80	5000	Ammo Reel	R5

PART NUMBER																	
PART NUMBER: WIRE058000000A500																	
W	I	R	E	0	5	8	0	0	0	0	0	0	0	A	5	0	0
MODEL/SIZE	SPECIAL CHARACTER			TC/MATERIAL			VALUE				TOLERANCE		PACKING <sup>1)</sup>		SPECIAL		
WIRE058 WIRE080	0 = neutral			0 = neutral			0000				0 = neutral		A5 R5 R0		00 = standard		
PRODUCT DESCRIPTION: Wire Jumper 058 A5																	
WIRE JUMPER 058							A5										
MODEL/SIZE							PACKING <sup>1)</sup>										
WIRE058 WIRE080							A5 R5 R0										
1) Please refer to table 12NC - wire jumper type and packing.																	

**Note**

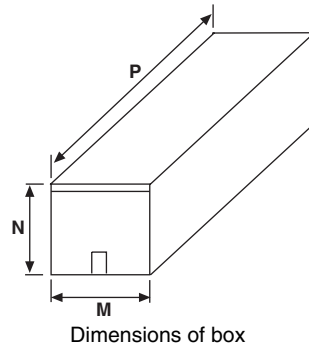
Products can be ordered using either the 12NC or the PART NUMBER. The PART NUMBER is shown to facilitate the introduction of a unified part numbering system. Currently, this PART NUMBER is applicable in the Americas only.

**DIMENSIONS  
AXIAL TAPED**



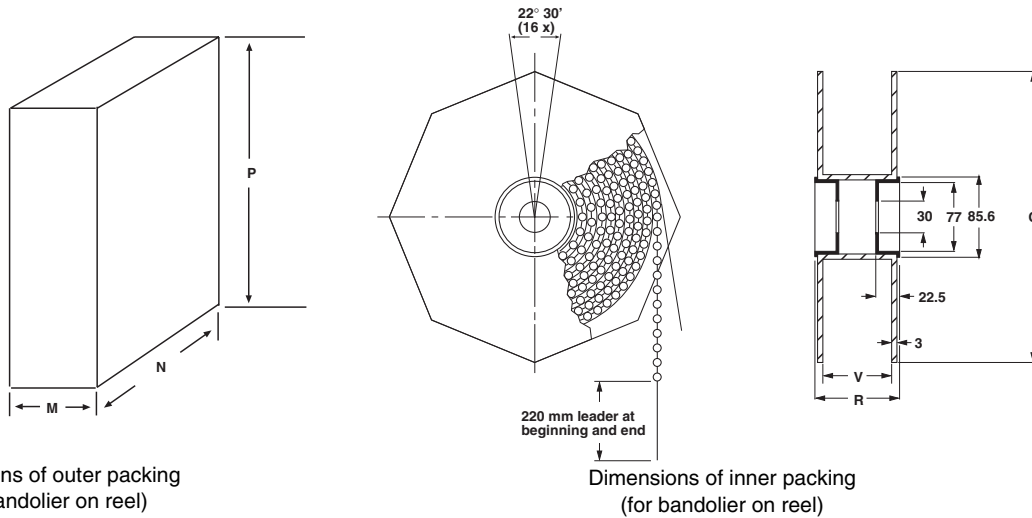
DIMENSIONS - resistor type and relevant physical dimensions					
TYPE	A	Ø d	a	S	MASS PER 100 UNITS (g)
2306 101 90169	52.5 ± 1.5	0.58 ± 0.05 Cu	6 ± 0.5	5	14.0
2306 101 90201					
2306 101 90182		0.8 ± 0.03 Cu			24.9
2306 101 90202					

Dimensions in mm

**IN BOX**


TYPE	QUANTITY	M	N	P
2306 101 90169	5000	78	98	270
2306 101 90182				

Dimensions in mm

**ON REEL**


TYPE	QUANTITY	M	N	P	Q	V	R
2306 101 90201	10000	92	310	310	305	75	86
2306 101 90202	5000						

Dimensions in mm



## TESTS AND REQUIREMENTS

Essentially all tests are carried out according to the schedule of IEC publications 251 and along the lines of IEC publication 68. "Recommended basic climatic and mechanical robustness testing procedure electronic components".

In some instances deviations from the IEC recommendation were necessary for our method of specification.

In the Test procedures and requirements table the tests are listed with reference to the relevant clauses of IEC publications 251 and 68; a short description is also given of the test procedure and requirements.

TEST PROCEDURES AND REQUIREMENTS				
IEC 152 CLAUSE	IEC 68 TEST METHOD	TEST	PROCEDURE	REQUIREMENTS
8	Ta	Soldering after aging 16 h at 155 ± 2 °C in air	Solderability: 2 s, 260 °C flux 600.	good tinning, no damage
9	-	Dewetting after aging 16 h at 155 ± 2 °C in air	Solderability: 5 s 260 °C, flux 600	wetting < 95 % good tinning, no damage
6	-	Tensile Strength	Free length 200 - 250 mm Rate 5 mm/s	Fm N/m <sup>2</sup>
7	-	Elongation at break	Same as for clause 6	15 % to 25 % elongation



## Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.