

Table of length tolerances/Tablica tolerancji dlugosci mm

Over/Od	Up to and including/Do-wlacznie	Tolerance/Tolerancja +/-
100	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
	>20000	L/100

UWAGI:

1. DLUGOSCI CIECIA I SPECYFIKACJE NABIJANIA WG LISTY CIECIA.
2. DLUGOSC PATRZ ARKUSZ 2.

NOTES:

1. CUTTING LENGTH AND CRIMPING SPECIFICATION IN CUTTING LIST.
2. LENGTH SEE SHEET 2.

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DIMENSION UNITS	SCALE	CURRENT REV DESC: OBSOLETE PART NUMBERS		<b>molex</b>			
mm	NTS						
GENERAL TOLERANCES (UNLESS SPECIFIED)				MPM E496XXXXXXXXXX			
	MM	INCH			PRODUCT CUSTOMER DRAWING		
4 PLACES	±	±	EC NO: 638770				
3 PLACES	±	±	DRWN: RPRABHUM	2020/03/20			
2 PLACES	±	±	CHK'D: GGA	2020/07/21			
1 PLACE	±	±	APPR: GGA	2020/07/21			
0 PLACES	±	±	INITIAL REVISION:				
ANGULAR TOL	±	°	DRWN: MWOLSZCZAK	2009/01/21	DOCUMENT NUMBER	DOC TYPE	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		FIRST ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	
			A3-SIZE	121050	E496XXXXXXXXXX	GENERAL MARKET	
					SEE DRAWING	1 OF 4	

**E 4 9 6 X X X X X X X X X X X X**

- E - Pakowanie bez workow
- W - Pakowanie pojedynczo
- Q - Szybkie pakowanie

**ILOSC PRZEWODOW/NUMBER OF WIRES:**

- 1=2 PRZEWODY,
- 2=3 PRZEWODY,
- 3=4 PRZEWODY,
- 6=3 PRZEWODY.

**TYP KABLA/CABLE TYPE**  
PATRZ TABELA 1/SEE TABLE 1

**RODZAJ KABLA/CABLE CROSS SECTION AREA**  
PATRZ TABELA 2/SEE TABLE 2

**KOLOR MOULDINGU/HEAD COLOUR:**

- G=SZARY/GREY;
- N=CZARNY/BLACK;
- T=PRZECZYSTY/TRANSPARENT;
- A=CZARNY/BLACK;
- B=SZARY/GREY.

**DLUGOSC KABLA W CM/CABLE LENGHT IN CM**  
NP:050=50 CM, 300=300 CM.

**POLOZENIE PINU Z UZIEMIENIEM/EARTH PIN LOCATION:**

- 1=PODWOJNE UZIEMIENIE NA GODZINIE 6 ORAZ 12/DOUBLE EARTH ON 6H AND 12H,
- 2=UZIEMIENIE NA GODZINIE 12/1EARTH ON 12H,
- 6=UZIEMIENIE NA GODZINIE 6/EARTH ON 6H.

**GASKET ORAZ SRUBY/GASKET SCREWS:**

- 1=GASKET PROFILOWANY+SRUBA/NBR PROFILE GASKET+FIXING SCREWS,
- 2=NBR PLASKI GASKET+SRUBA/NBR FLAT GASKET+SCREW,
- 3=SILIKONOWY PROFILOWANY GASKET+SRUBA/SILICONE PROFILE GASKET+SCREW,
- 4=SILIKOWANY PLASKI GASKET+SRUBA/SILICON FLAT GASKET+SCREW,
- P=ZINTEGROWANY GASKET+SRUBA/INTEGRATED GASKET+FIXING SCREW,
- R=ZINTEGROWANY GASKET+SRUBA/INTAGRATED GASKET+SCREW,
- T=PROFILOWANY GASKET+SRUBA, PROFILE GASKET+SCREW.

**RODZAJ POLACZENIA/INTERNAL CIRCUIT**  
PATRZ SCHEMATY POLACZEN/WIREING CONFIGURATION

**NAPIECIE ORAZ KOLOR DIODY/VOLTAGE AND LED COLOUR:**

- |         |                             |         |                              |         |                             |
|---------|-----------------------------|---------|------------------------------|---------|-----------------------------|
| 1= 12V  | } CZERWONA DIODA<br>RED LED | A= 12V  | } ZIELONA DIODA<br>GREEN LED | G= 12V  | } ZOLTA DIODA<br>YELLOW LED |
| 2= 24V  |                             | B= 24V  |                              | H= 24V  |                             |
| 3= 48V  |                             | C= 48V  |                              | K= 48V  |                             |
| 4= 115V |                             | D= 115V |                              | L= 115V |                             |
| 5= 230V |                             | E= 230V |                              | M= 230V |                             |

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DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBERS						<b>molex</b>	
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 638770		DRWN: RPRABHUM		2020/03/20		MPM E496XXXXXXXXXX	
		MM		INCH		CHK'D: GGA		2020/07/21		PRODUCT CUSTOMER DRAWING	
4 PLACES		±		±		APPR: GGA		2020/07/21		DOCUMENT NUMBER	
3 PLACES		±		±		INITIAL REVISION:		2009/01/21		DOC TYPE	
2 PLACES		±		±		DRWN: MWOLSZCZAK		2009/01/21		DOC PART	
1 PLACE		±		±		APPR: GOGRODNIK		2009/01/21		REVISION	
0 PLACES		±		±		SERIES		121050		E496XXXXXXXXXX	
ANGULAR TOL		±		°		MATERIAL NUMBER		SEE DRAWING		PSD	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				FIRST ANGLE PROJECTION		DRAWING		A3-SIZE		SHEET NUMBER	
										2 OF 4	

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TABELA 2 KABLE/TABLE 2 CABLES

MOLEX PN	mPm	Code	PRZEW	PRZEKROJ	MATERIAL	KOLOR/COLOUR	SREDNICA Ø	DIN A-B	DIN C
1210180080	I	-	3	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
-	A	2	3	20 AWG	PVC CSA/UL 2661	Czarny/Black	5,6+/-0,2 mm	OK.	OK.
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Czarny/Black	6,2+/-0,2 mm	OK.	OK.
-	A	2	5	20 AWG	PVC CSA/UL 2661	Czarny/Black	7+/-0,2 mm	OK.	
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Czarny/Black	5,6+/-0,2 mm	OK.	OK.
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Czarny/Black	6,2+/-0,2 mm	OK.	OK.
-	B	2	5	20 AWG	PUR CSA/UL 20668	Czarny/Black	7+/-0,2 mm	OK.	
1210180122	D	2	3	0,5 mm2	PVC TI2 CEI 20-20	Szary/Grey	-	-	-
-	F	2	3	0,5 mm2	CNOMO	Szary/Grey RAL7000	5,5+/-0,2 mm	OK.	OK.
1210180047	I	2	2	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	5,5+/-0,2 mm	OK.	OK.
-	I	2	3	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	5,5+/-0,2 mm	OK.	OK.
1210180146	I	2	4	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	6,5+/-0,2 mm	OK.	
1210180177	I	2	5	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7+/-0,2 mm	OK.	
1210180022	N	2	2	0,5 mm2	PVCH03	Czarny/Black	5,1+ 0,2-0 mm	OK.	OK.
1210180064	N	2	3	0,5 mm2	PVCH03	Czarny/Black	5,4+ 0,2-0 mm	OK.	OK.
1210180153	N	2	4	0,5 mm2	PVCH03	Czarny/Black	5,75+0,2-0 mm	OK.	OK.
1210180046	P	2	2	0,5 mm2	PUR - BLEND	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
-	P	2	3	0,5 mm2	PUR - BLEND	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
1210180302	P	2	4	0,5 mm2	PUR - BLEND	Czarny/Black	-	-	-
-	P	2	5	0,5 mm2	PUR - BLEND	Czarny/Black	7+/-0,2 mm	OK.	OK.
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Czarny/Black	7+/-0,2 mm	OK.	
-	A	3	5	18 AWG	PVC CSA/UL 2661	Czarny/Black	7,8+/-0,2 mm	OK.	
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180127	B	3	4	18 AWG	PUR CSA/UL 20668	Czarny/Black	7+/-0,2 mm	OK.	
-	B	3	5	18 AWG	PUR CSA/UL 20668	Czarny/Black	7,8+/-0,2 mm	OK.	
1210180073	D	3	3	0,75 mm2	PVC TI2 CEI 20-20	Szary/Grey	-	-	-
1210180145	D	3	4	0,75 mm2	PVC TI2 CEI 20-20	Szary/Grey	-	-	-
1210180120	I	3	3	0,75 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
1210180143	I	3	4	0,75 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
1210180032	N	3	2	0,75 mm2	PVCH05	Czarny/Black	6,2+ 0,2-0 mm	OK.	
1210180069	N	3	3	0,75 mm2	PVCH05	Czarny/Black	6,6+0,2-0 mm	OK.	
-	N	3	4	0,75 mm2	PVCH05	Czarny/Black	7,15+0,2-0 mm	OK.	
1210180174	N	3	5	0,75 mm2	PVCH05	Czarny/Black	8,0+0,2-0 mm	OK.	
-	P	3	2	0,75 mm2	PUR - BLEND	Czarny/Black	6,5+/-0,2 mm	OK.	

TABELA 2 KABLE/TABLE 2 CABLES

MOLEX PN	mPm	Code	PRZEW	PRZEKROJ	MATERIAL	KOLOR/COLOUR	SREDNICA Ø	DIN A-B	DIN C
1210180071	P	3	3	0,75 mm2	PUR - BLEND	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Czarny/Black	7+/-0,2 mm	OK.	
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180094	T	3	3	0,75 mm2	PUR CSA/UL	Żółty/Yellow	-	-	-
1210180309	Y	3	3	0,75 mm2	SIL/0300	Czerwony/Red	6,5+/-0,2 mm	-	-
1210180081	F	4	3	1 mm2	CNOMO	Szary/Grey RAL7000	-	-	-
-	F	4	4	1 mm2	CNOMO	Szary/Grey RAL7000	7,1+0,2-0 mm	OK.	
1210180042	I	4	2	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	
1210180079	I	4	3	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	
1210180036	N	4	2	1 mm2	PVCH05	Czarny/Black	6,5+0,2-0 mm	OK.	
1210180082	N	4	3	1 mm2	PVCH05	Czarny/Black	6,9+0,2-0 mm	OK.	
1210180117	R	4	3	1 mm2	TPR HAL. FREE	Czarny/Black	-	-	-
1210180085	N	5	3	1,5 mm2	PVCH05	Czarny/Black	8,3+0,2-0 mm	OK.	
1210180313	I	6	2	0,35 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
-	A	7	3	20 AWG	PVC CSA/UL 2661	Żółty/Yellow	5,6+/-0,2 mm	OK.	OK.
1210180149	I	9	4	0,75 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-

TABELA 1 TYPY KABLI/TABLE 1 CABLES TYPE

Znakowanie /Code	Rodzaje kabla /Cable types	Właściwości /Features	Przekroje /Stranding
N	PVC	Kabel z dobrą rezystancją w wodzie ale słabą w oleju./Application general purpose cable which has good resistance to water, but usually poor oil resistance.	0.5 mm2 = 15 x 0.20 0.75 mm2 = 21 x 0.20 1 mm2 = 28 x 0.20
I	PVC	Zatwierdzone przez IEC 332-2A, samogaszący./Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.	0.5 mm2 = 28 x 0.15 0.75 mm2 = 42 x 0.15 1 mm2 = 32 x 0.20
P	PVC	Dobra rezystancja w olejach i chemikaljach./Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.	0.5 mm2 = 28 x 0.15 0.75 mm2 = 42 x 0.15 1 mm2 = 32 x 0.20
A	PVC	Zatwierdzony porzez CSA-UL 2661.Dobra rezystancja na wode słaba na olej./ Approved to CSA-UL 2661, application general purpose cable which has good resistance to water, but usually poor oil resistance.	20 AWG = 32 x 0.15 18 AWG = 52 x 0.15
B	PVC	Zatwierdzony przez CSA-UL 20668, bardzo dobra rezystancja w oleju i chemikaljach./ Approved to CSA-UL 20668, very good resistance to oil and chemicals.	20 AWG = 32 x 0.15 18 AWG = 52 x 0.15


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DIMENSION UNITS: mm		SCALE: NTS			
GENERAL TOLERANCES (UNLESS SPECIFIED)				MPM E496XXXXXXXXXX	
4 PLACES ±		3 PLACES ±		PRODUCT CUSTOMER DRAWING	
2 PLACES ±		1 PLACE ±		DOCUMENT NUMBER	
0 PLACES ±		ANGULAR TOL ± °		E496XXXXXXXXXX	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		FIRST ANGLE PROJECTION		DOC TYPE DOC PART REVISION	
		DRAWING: A3-SIZE		PSD 001 B	
		SERIES: 121050		SHEET NUMBER: 3 OF 4	
		MATERIAL NUMBER: SEE DRAWING		CUSTOMER: GENERAL MARKET	

TABELA 3/CHART 3

MOLEX P/N	WOODHEAD P/N
1210501899	E496I2N30011C4H
1210501910	E496I2N20011C4H
1210501911	E496I2N40011C4H
1210501915	E496I2N50011C4H
1210501920	E496I2N10K11C4H
1210501937	E496I2N15K11C4H
1210501995	E496T3A10011C4H
1210502015	E496T3A06011C4H
1210502016	E496T3A20011C4H
1210502070	E496T3A15011C4H
1210502071	E496T3A30011C4H
1210502260	E496I2N50012C4H
1210502545	E496N2N10012C4H
1210502546	E496N2N50012C4H
1210501995	E496T3A10011C4H
1210502016	E496T3A20011C4H

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DIMENSION UNITS		SCALE		CURRENT REV DESC: OBSOLETE PART NUMBERS				<b>molex</b>	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 638770 DRWN: RPRABHUM 2020/03/20 CHK'D: GGA 2020/07/21 APPR: GGA 2020/07/21 INITIAL REVISION: DRWN: MWOLSZCZAK 2009/01/21 APPR: GOGRODNIK 2009/01/21					
DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
E496XXXXXXXXXXXX				PSD		001		B	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		FIRST ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER	
				A3-SIZE		121050		SEE DRAWING	
CUSTOMER				SHEET NUMBER					
GENERAL MARKET				4 OF 4					

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