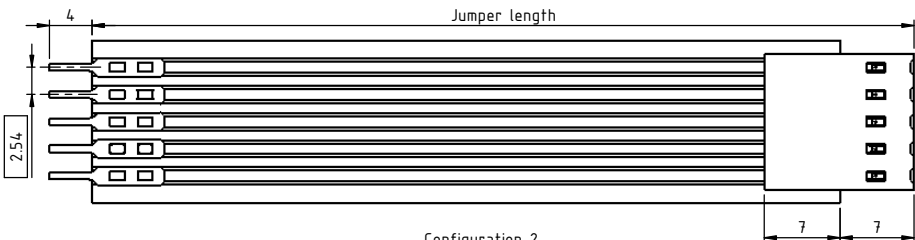
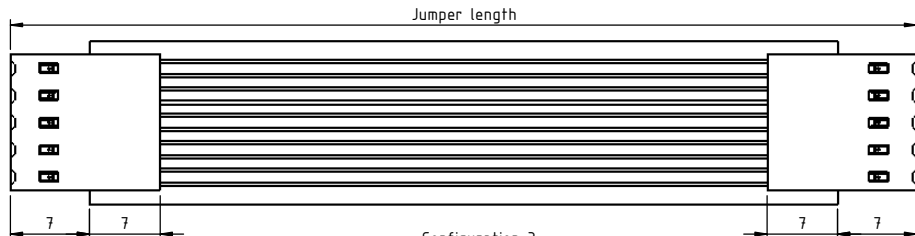


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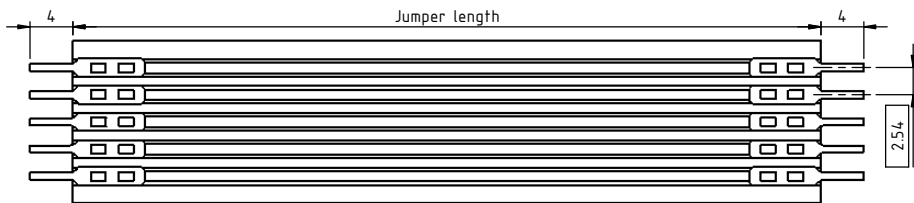
Configuration 1  
 Standard 2.54mm male / female jumper (Example:254PW05E0070-S1F3H)



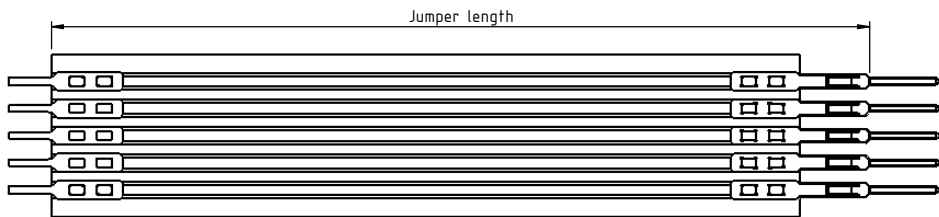
Configuration 2  
 Standard 2.54mm female / female jumper (Example:254PW05E0070-F3HF3H)



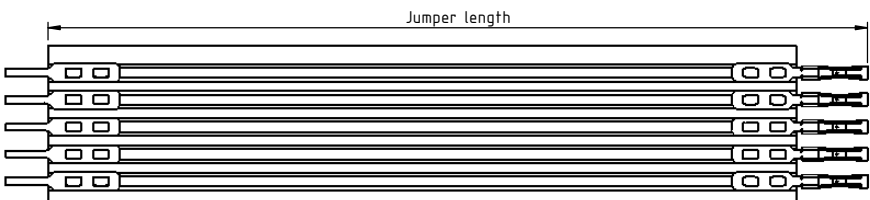
Configuration 3  
 Standard 2.54mm male / male jumper (Example:254PW05E0070-S1S1)



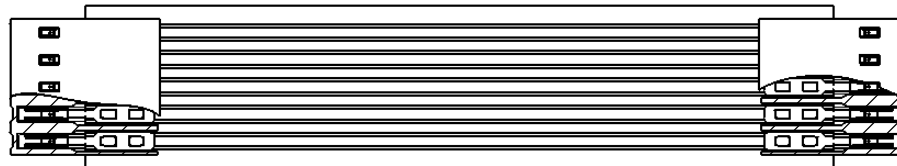
Configuration 4  
 Standard 2.54mm male / male jumper (Example:254PW05E0070-S1M3)



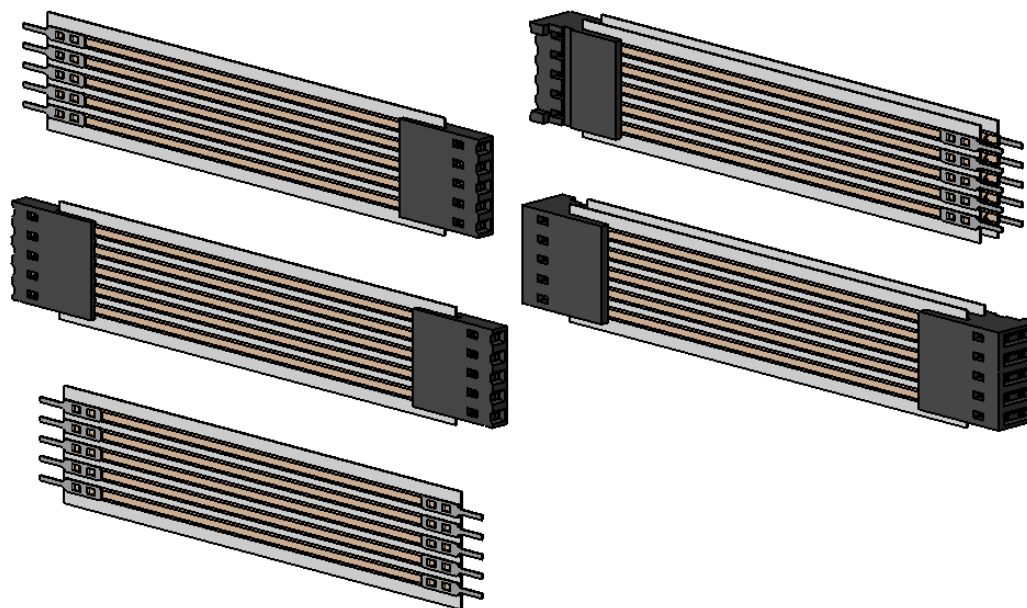
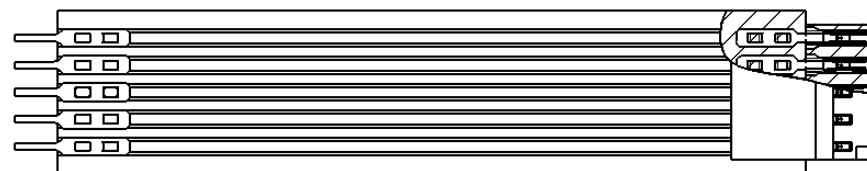
Configuration 5  
 Standard 2.54mm male / female without housing jumper (Example:254PW05E0070-S1F3)



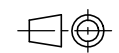
Standard female / female double jumper configuration (Example:254PW10E0070-F3EF3E)



Standard female / male double jumper configuration (Example:254PW10E0070-S1F3E)



**NICOMATIC**  
 173, rue des fougères Tel. : +33 (0)4.50.36.13.85  
 Z.I. Les Bracots Fax : +33 (0)4.50.36.11.33  
 F-74890 Bons-en-Chablais Web : www.nicomatic.com



Echelle/Scale  
 2:1

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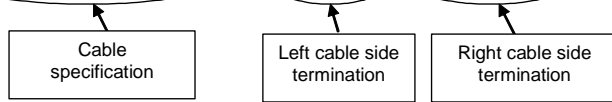
Item :  
**Generic drawing standard jumpers**

Repertoire / Folder : X:\Méthodes\Plans clients\Plans clients 2D\01 - Crimpflex\05 - Limande 2.54mm\254PwnnE####-#####\_cl

Réf. catalogue / Catalogue Reference **254PwnnE####-#####** Tolérance générale / General Tolerance ±0.2 Page 1/2 A3

**Part numbering example**

**254 PW 14 E 0305 - S1<sup>B C</sup> K W F2 L<sup>B C</sup> K W (R)**



**1. Cable specification**

5 blocks are defined to determine the cable specification

- **254**: Cable pitch (2,54mm)
- **PW**: Cable style - Standard White Polyester
- **14**: Number of conductors

**Note for a double jumper:**

The number of conductor always represents the total number of conductors. Eg. For a jumper with 1 double row housing - 4E20 for example the number of conductors is 20 and the cable to be a 10 conductor cable

- **E**: Conductor size (0,076 mm x 1,57 mm)
- **0305**: Length in mm (305 mm) measured from end to end  
(This length is used to determine the cable length, see explanation in 4.)
- **Standard double jumper**: left and right termination is crimped in the same direction (refer to 3D images on the other side of this file). If you need to crimp in the opposite direction, then the part number will be specific.

**2. Left cable side**

4 blocks are defined to determine the left section of the cable

- **S1**: Contact selected on the left side of the cable (refer to the table with contacts on the right)
- **L**: Housing selected on the left side of the cable (none selected in our example left blank)
- **B**: Bending of the contact to the crimping direction (if no bending space left blank)
- **Ou**:
  - **C**: Bending of the contact to the opposite side to the crimping direction (if no bending space left blank)
  - **K**: Polyimide insulator addition on the left side of the cable (if no addition space left blank)
- **W**: Polyester insulator addition on the left side of the cable (if no addition space left blank)

**3. Right cable side**

5 blocks are defined to determine the right section of the cable

- **F2**: Contact selected on the right side of the cable (refer to the table with contacts on the right)
- **L**: Housing selected on the right side of the cable (refer to the table with housings on the right)
- **B**: Bending of the contact to the crimping direction (if no bending space left blank)
- **Ou**:
  - **C**: Bending of the contact to the opposite side to the crimping direction (if no bending space left blank)
  - **K**: Polyimide insulator addition on the right side of the cable (if no addition space left blank)
- **W**: Polyester insulator addition on the right side of the cable (if no addition space left blank)
- **R**: Crimping on the opposite side (if crimping is done on the same side as on the left section of the cable, then space left in blank)

**4. Cable length**

These configurations allow to measure the cable length L in function of the number of housing N:

Configuration (1) Male / Female	1 housing	N=1
Configuration (2) Female / Female	2 housings	N=2
Configuration (3) Male / Male	0 housing	N=0
Configuration (4) Male / Male 12410	0 housing	N=0 but we retrieve 7 mm for the cable out to be made with square male contact 12410
Configuration (5) Female / Male	0 housing	N=0 but we retrieve 7 mm for the cable housing out to be made with the female contact

The L cable cut length is determined as follows:  
 L = Jumper length - N x 7

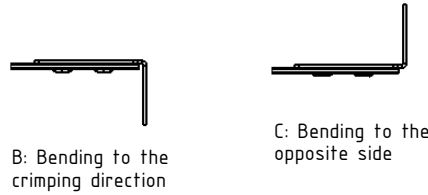
In our example: Jumper length = 305 et N = 1  
 Cable cut length: L = 305 - (1 x 7) = 298

Therefore, we need to cut the cable with a length of 298mm to get a jumper length of 305mm.

**Minimum length**

If N=1 or N=0 with configuration (5) Female / Male	cable out length=19mm	Jumper length=26mm
If N=2	cable out length=19mm	Jumper length=33mm
If N=0	cable out length=19mm	Jumper length=19mm
If N=0 with 12410 one side	cable out length=19mm	Jumper length=26mm
If N=0 with 12410 both sides	cable out length=19mm	Jumper length=33mm

Tolerance for the cable cut: ± 1.5mm for a total length under 501mm  
 ± 3mm for a total length between 501mm to 900mm  
 ± 0.5% of length for a total length over 900mm



**TECHNICAL DATA**

**MATERIALS**

- Contact: Phosphor bronze
- FFC cable: Polyester, UL flame rating VW-1
- Housing: Thermoplastic, flame retardant, black, UL94V-0

**CONTACT PLATING**

- Contact P/N XXXXX-12: Tin plated (thickness: Ni 1 to 2µ + Sn 3 to 5µ)
- Contact P/N XXXXX-32: Gold plated (thickness: Ni 1 to 2µ + Sn 3 to 5µ + Au0.15µ)

**MECHANICAL SPECIFICATIONS**

- Crimp tensile: 1.8 Kg min. (4lbs)

**ELECTRICAL SPECIFICATIONS**

**Contact:**

- Withstanding voltage 1000V RMS, 60 Hz
- Rating voltage: 300 VAC RMS
- Rating current: Signal application only, 3 A single circuit, FFC (0.003"x0.062")
- Low signal level contact resistance, open circuit voltage: 50 mV maxi.
- Low signal level contact resistance, test current: 100 mA maxi.

**FFC cable:**

- Insulation resistance: 5000 MΩ
- Dielectric strength: 5000 V
- Voltage: 300 V RMS

**THERMAL SPECIFICATIONS**

- Connectors operating temperature: -55°C à +105°C -67°C to +221°F

Housing table	Code	Housing P/N
	1	1E
	2	2E
	4	4F
	7	7F
	D	0D
	E	4E
	G	0JH
	H	0F
	J	0J
	L	0L
N	0M	
P	0P	
V	1L	

Contacts table	Code	Contact P/N	Type contact	Code	Contact P/N	Type contact
	F1	10025-12	Female	M1	13595-12	Male
	F2	10025-32	Female	M2	13595-32	Male
	F3	11506-12	Female	M3	12410-12	Male
	F4	11506-32	Female	M4	12410-32	Male
	F5	14106-12	Female	M5	13756-12	Male
	F6	14106-32	Female	M6	13756-32	Male
	F7	10025-352	Female	S1	10241-12	Male
	F8	10025-372	Female	S2	10141-12	Male
	F9	11506-352	Female	S3	10167-12	Male
	FA	11506-372	Female	S4	10067-12	Male
	FB	14106-374	Female	S5	12887-12	Male
				S6	11612-12	Male
				S7	10241-32	Male
				S8	10241-42	Male

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Repertoire / Folder : X:\Méthodes\Plans clients\Plans clients 2D\01 - Crimpflex\05 - Limande 2.54mm\254PWnnE####-#####_cl		Item : <b>Generic drawing standard jumpers</b>			
Réf. catalogue / Catalogue Reference		<b>254PWnnE####-#####</b>		Tolérance générale / General Tolerance	±0.2
				Page	A3
				2/2	