

SubConn® Low Profile

2 pins

Connector specifications

Single contact rating	600 V AC rms
Current rating	10 A per pin (max 20 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500
Temperature rating (water)	- 4 to 60°C, 25 to 140°F
Temperature rating (air)	- 40 to 60°C, - 40 to 140°F
Storage temperature rating	- 40 to 60°C, - 40 to 140°F
Depth rating	700 bar, 10,000 psi
Depth rating PEEK	300 bar, 4,350 psi

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Brass, stainless steel, titanium, anodised aluminium or PEEK
Contacts	Gold plated brass UNS - C36000
Location pin	Stainless steel AISI 303
O-rings	Nitrile
Inline cable (60 cm, 2 ft)	16 AWG 1.34 mm² chloroprene rubber
Bulkhead leads (30 cm, 1 ft)	18 AWG 1.0 mm² tagged PTFE

Face view (male)



Inline cable colour code

- 1 Black
- 2 White

Nominal cable outside diameter (OD)

2 conductor cable 0.365", 9.3 mm

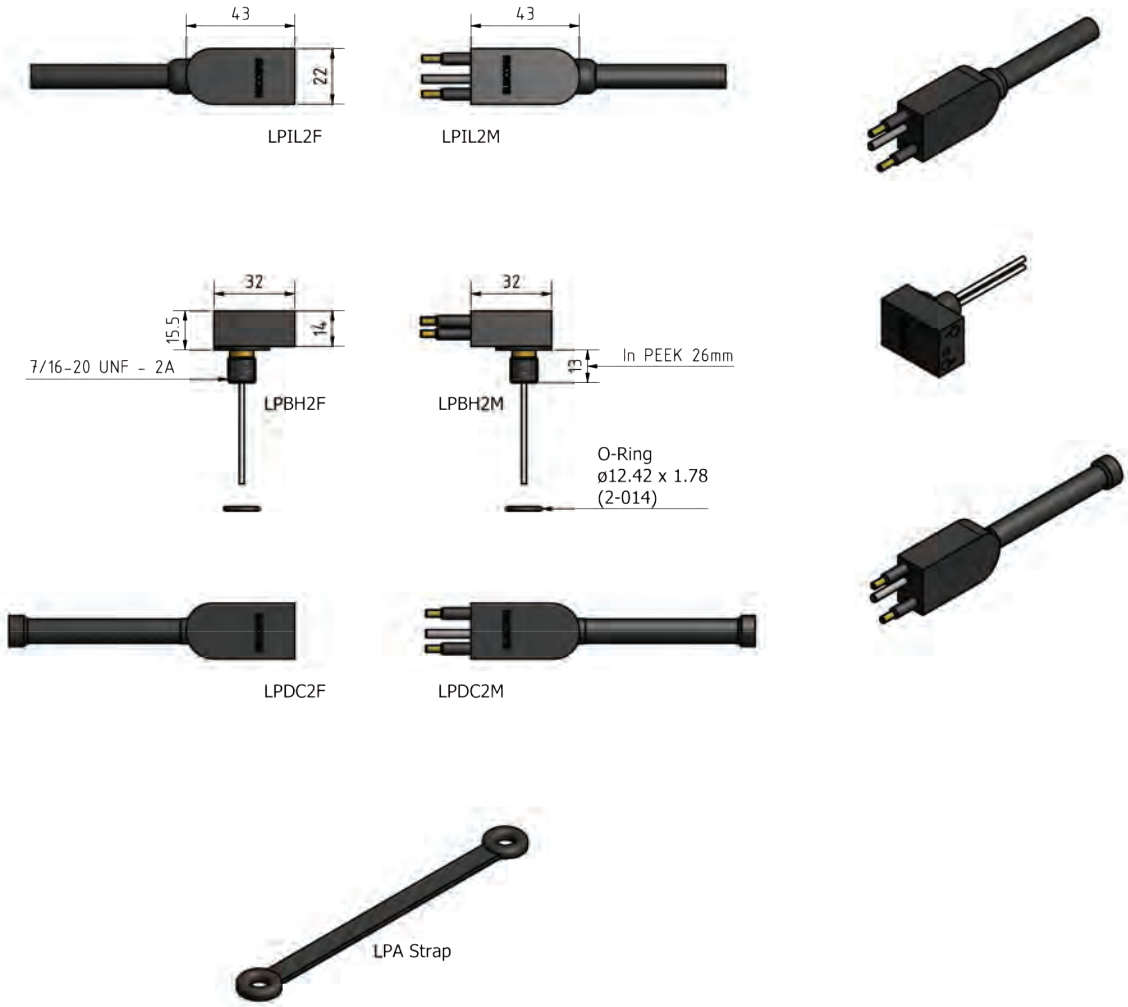
Additional information

Nuts and washers can be supplied in stainless steel AISI 316 or brass UNS - C36000

Mounting screws can be supplied in stainless steel AISI 316

For mounting and torque information - see "general technical information" (page 96)

For SubConn® handling instructions - see "general technical information" (page 98)



Drawing information

Dimensions in mm (1 mm = 0.03937 inch)
Threads in inches (1 inch = 25.4 mm)

SubConn® Low Profile

3 and 4 pins

Connector specifications

Single contact rating	600 V AC rms
3 pins current rating	10 A per pin (max 30 A per connector)
4 pins current rating	10 A per pin (max 40 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500
Temperature rating (water)	- 4 to 60°C, 25 to 140°F
Temperature rating (air)	- 40 to 60°C, - 40 to 140°F
Storage temperature rating	- 40 to 60°C, - 40 to 140°F
Depth rating	700 bar, 10,000 psi
Depth rating PEEK	300 bar, 4,350 psi

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Brass, stainless steel, titanium, anodised aluminium or PEEK
Contacts	Gold plated brass UNS - C36000
O-rings	Nitrile
Locking straps	Chloroprene chloroprene rubber
Inline cable (60 cm, 2 ft)	16 AWG 1.34 mm² chloroprene rubber
Bulkhead leads (30 cm, 1 ft)	18 AWG 1.0 mm² tagged PTFE

Face view (male)



Inline cable colour code

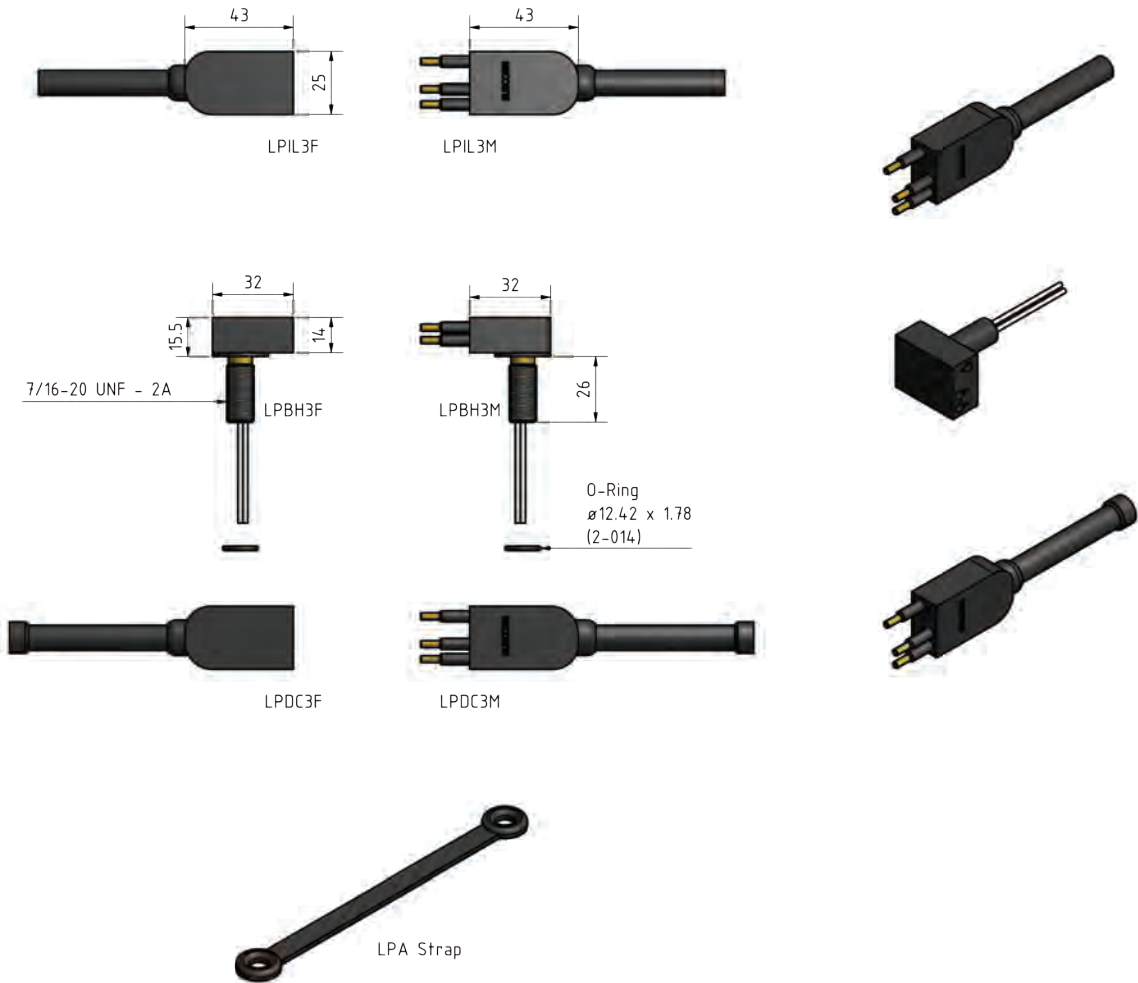
- 1 Black
 - 2 White
 - 3 Red
 - 4 Green
- (3 pin cable colour code: 1 black, 2 white, 3 green)

Additional information

Nuts and washers can be supplied in stainless steel AISI 316 or brass UNS - C36000

For mounting and torque information - see "general technical information" (page 96)

For SubConn® handling instructions - see "general technical information" (page 98)



Low Profile

Drawing information

Dimensions in mm (1 mm = 0.03937 inch)
Threads in inches (1 inch = 25.4 mm)

SubConn® Low Profile

5 pins

Connector specifications

Voltage rating	600 V AC rms
Current rating	10 A per pin (max 40 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500
Temperature rating (water)	- 4 to 60°C, 25 to 140°F
Temperature rating (air)	- 40 to 60°C, - 40 to 140°F
Storage temperature rating	- 40 to 60°C, - 40 to 140°F
Depth rating	700 bar, 10,000 psi
Depth rating PEEK	300 bar, 4,350 psi

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Brass, stainless steel, titanium, anodised aluminium or PEEK
Contacts	Gold plated brass UNS - C36000
O-rings	Nitrile
Locking straps	Chloroprene rubber
Inline cable (60 cm, 2 ft)	18 AWG 1.0 mm² chloroprene rubber
Bulkhead leads (30 cm, 1 ft)	18 AWG 1.0 mm² tagged PTFE

Face view (male)



Inline cable colour code

- 1 Black
- 2 Red
- 3 Blue
- 4 Orange
- 5 Yellow

Nominal cable outside diameter (OD)

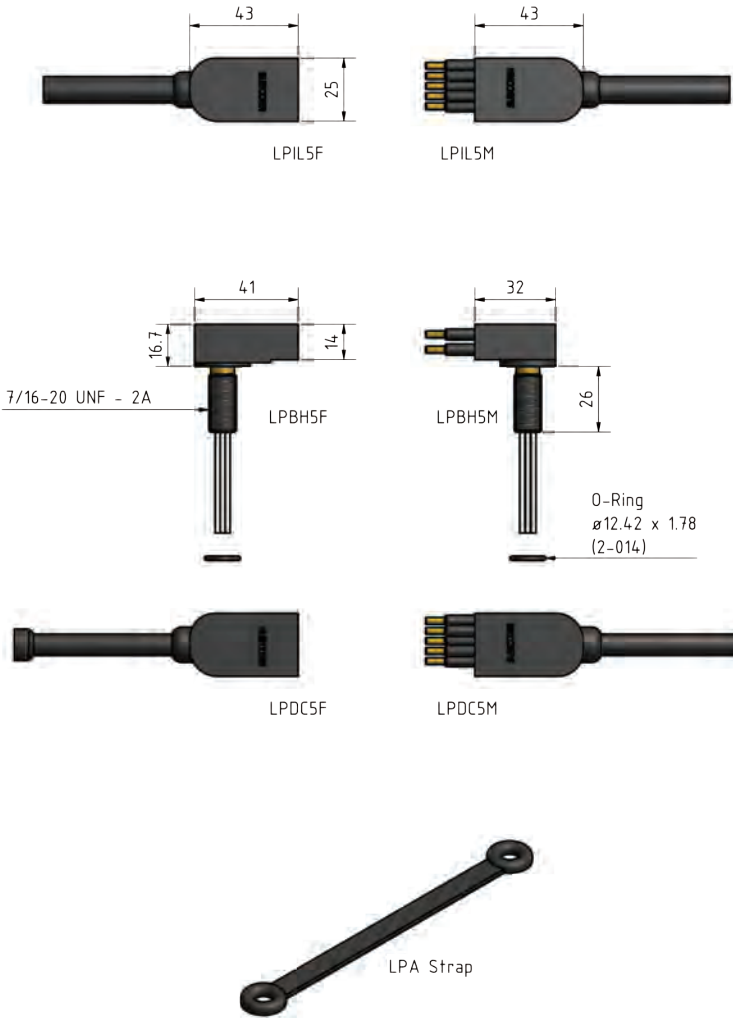
5 conductor cable 0.328", 8.4 mm

Additional information

Nuts and washers can be supplied in stainless steel AISI 316 or brass UNS - C36000

For mounting and torque information - see "general technical information" (page 96)

For SubConn® handling instructions - see "general technical information" (page 98)



Low Profile

Drawing information

Dimensions in mm (1 mm = 0.03937 inch)
Threads in inches (1 inch = 25.4 mm)

SubConn® Low Profile

7 pins

Connector specifications

Voltage rating	600 V AC rms
Current rating	10 A per pin (max 40 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500
Temperature rating (water)	- 4 to 60°C, 25 to 140°F
Temperature rating (air)	- 40 to 60°C, - 40 to 140°F
Storage temperature rating	- 40 to 60°C, - 40 to 140°F
Depth rating	700 bar, 10,000 psi
Depth rating PEEK	300 bar, 4,350 psi

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Brass, stainless steel, titanium, anodised aluminium or PEEK
Contacts	Gold plated brass UNS - C36000
O-rings	Nitrile
Locking straps	Chloroprene rubber
Inline cable (60 cm, 2 ft)	16 AWG 1.34 mm² chloroprene rubber
Bulkhead leads (30 cm, 1 ft)	18 AWG 1.0 mm² tagged PTFE

Face view (male)



Inline cable colour code

1	Black	7	White/black
2	White		
3	Red		
4	Green		
5	Orange		
6	Blue		

Nominal cable outside diameter (OD)

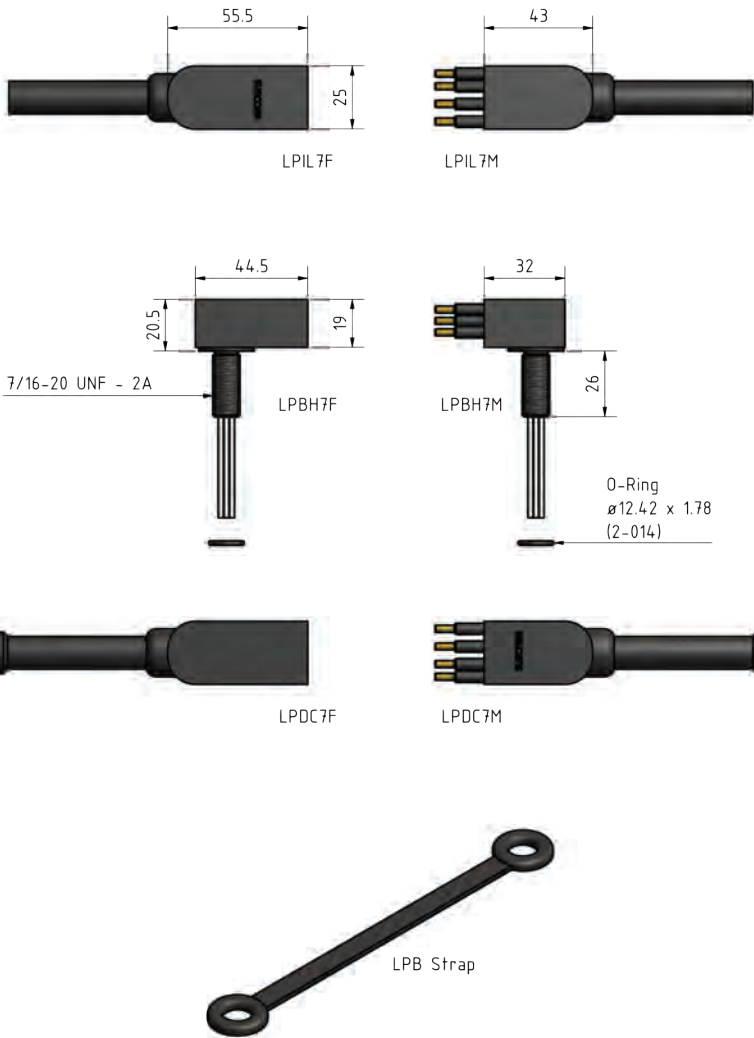
7 conductor cable 0.520", 13.2mm

Additional information

Nuts and washers can be supplied in stainless steel AISI 316 or brass UNS - C36000

For mounting and torque information - see "general technical information" (page 96)

For SubConn® handling instructions - see "general technical information" (page 98)



Low Profile

Drawing information

Dimensions in mm (1 mm = 0.03937 inch)
Threads in inches (1 inch = 25.4 mm)

SubConn® Low Profile

9 pins

Connector specifications

Voltage rating	600 V AC rms
Current rating	10 A per pin (max 40 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500
Temperature rating (water)	- 4 to 60°C, 25 to 140°F
Temperature rating (air)	- 40 to 60°C, - 40 to 140°F
Storage temperature rating	- 40 to 60°C, - 40 to 140°F
Depth rating	700 bar, 10.000 psi
Depth rating PEEK	300 bar, 4,350 psi

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Brass, stainless steel, titanium, anodised aluminium or PEEK
Contacts	Gold plated brass UNS - C36000
O-rings	Nitrile
Locking straps	Chloroprene rubber
Inline cable (60 cm, 2 ft)	16 AWG 1.34 mm² chloroprene rubber
Bulkhead leads (30 cm, 1 ft)	18 AWG 1.0 mm² tagged PTFE

Face view (male)



Inline cable colour code

1 Black	7 White/black
2 White	8 Red/black
3 Red	9 Green/black
4 Green	
5 Orange	
6 Blue	

Nominal cable outside diameter (OD)

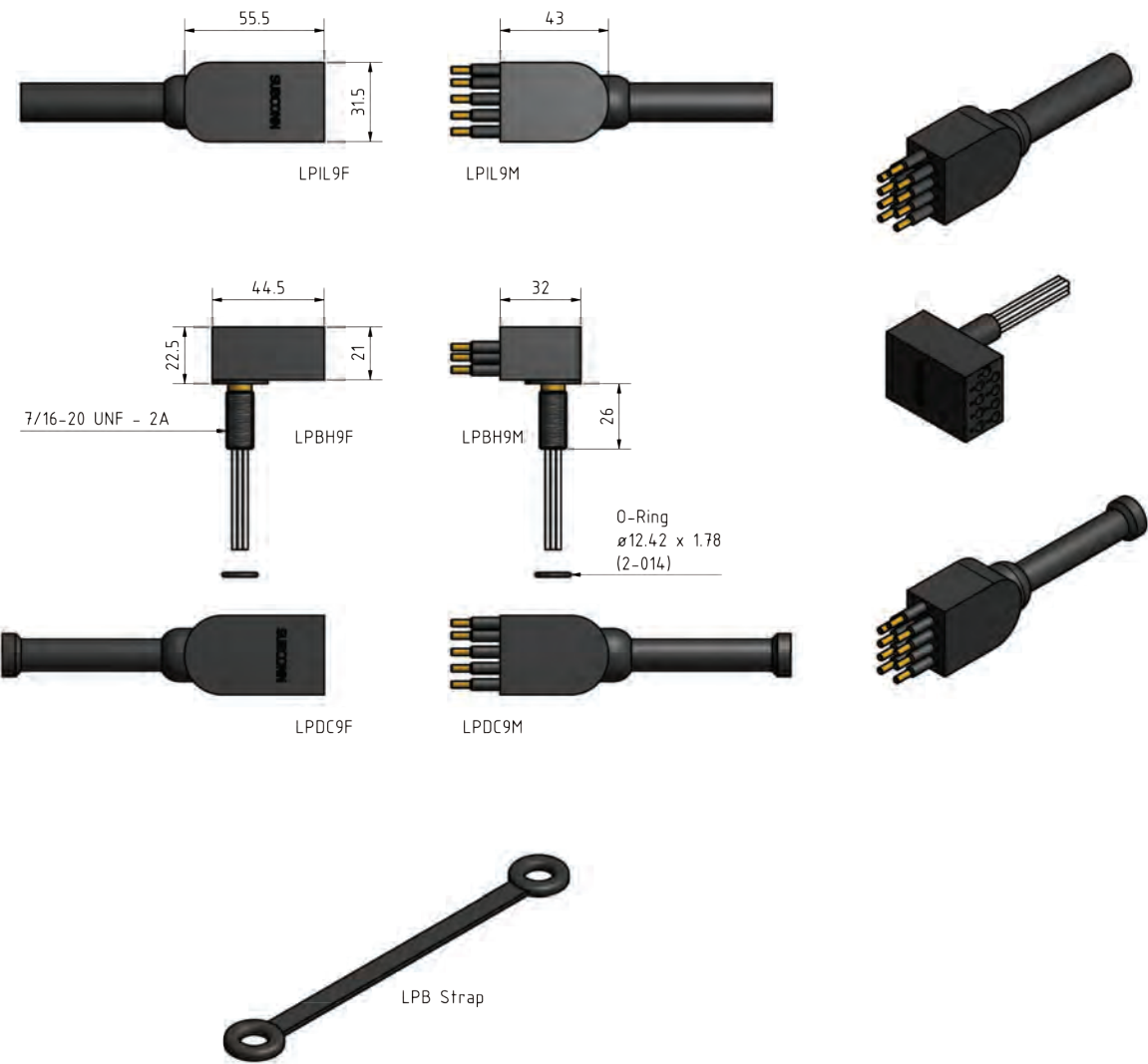
9 conductor cable 0.590", 15.0 mm

Additional information

Nuts and washers can be supplied in stainless steel AISI 316 or brass UNS - C36000

For mounting and torque information - see "general technical information" (page 96)

For SubConn® handling instructions - see "general technical information" (page 98)



Low Profile

Drawing information

Dimensions in mm (1 mm = 0.03937 inch)
Threads in inches (1 inch = 25.4 mm)