

# periLINE basic

## hybrid SPE cable assembly



The periLINE hybrid SPE cable assembly connects products with hybrid SPE interface like the Perinet *Smart Components* or the periMICA within the Seamless IoT Connectivity system. It carries both data and power supply and, thereby, facilitates easy and straight-forward deployment. Assorted cable lengths allow for adaptation to any given setting or environment. The *basic* edition of the periLINE hybrid SPE cable assembly is particularly suitable for the last meters because of its short bending radii. Use cases vary from industrial production lines to commercial applications and smart buildings, to name but a few.

### Interfaces

- Type: M8 male connector according to IEC 63171-6:2020(style 6P-M8C without shielding)
- Communication: 100BASE-T1 Single Pair Ethernet (IEEE 802.3bw)

### Cable

- Type: flexible
- Outer diameter:  $4.2 \pm 0.2$ mm
- Compliance: ROHS 2.0 requirements

### Material

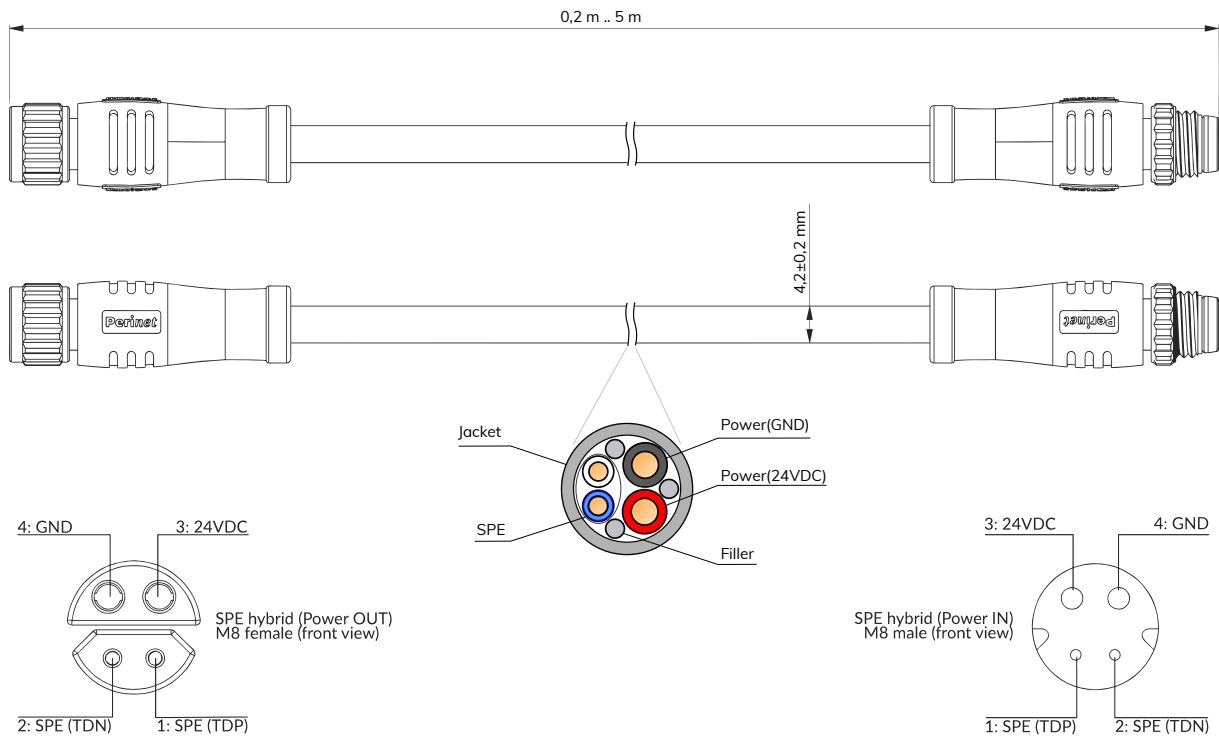
- Conductor: Stranded Tinned Copper
- Jacket: PVC

### Physical and Electrical Performance

- Temperature Range:  $-40 \dots +80^\circ\text{C}$
- Typical diameter data pair: 26AWG
- Typical diameter power pair: 20AWG
- Maximum voltage: 30VDC
- Typical voltage: 24VDC
- Max current: 2.0A

### Characteristic Impedance

- Impedance:  $100 \pm 15 \Omega$ , 1MHz
- Dielectric Strength: 2.0kV/1min, AC



Ordering Code	Product Name	Description
PRN.000.045	periLINE basic 0.2m	hybrid SPE cable assembly for data and power
PRN.000.046	periLINE basic 1m	
PRN.000.049	periLINE basic 5m	