

## Minimum Installation & Operating Temperatures

The minimum handling and installation temperature of a cable is dependent on many factors, including the type of cable, the severity and speed of bending and the manner in which the cable is pulled in. It is not only dependant on the current ambient temperature but also the temperature that the cable has been stored in for at least the previous 24 hours (for very large drums of cable the previous 48 hours should apply).

### **Standard Domestic Type Wiring (PVC to either BS6004 or BS EN 50525-2-31. Low Smoke cable to either BS7211 or BS EN 50525-3-41)**

The **British Standards** for these cables state they should be installed when both the cable temperature and the ambient temperature are above +5 °C and have been so for the previous 24 hours.

**Prysmian Group** advice for **PVC** sheathed:

Sheath Material	Minimum Installation Temperature	Minimum Operating Temperature (once installed)
<b>PVC</b>	0°C*	-15 °C

**Prysmian Group** advice for **LSOH** sheathed:

Sheath Material	Minimum Installation Temperature	Minimum Operating Temperature (once installed)
<b>LSOH</b>	-15°C*	-25 °C

### **Armoured Cables - PVC or Low Smoke sheathed, BS5467, BS6724, BS7846, BS6622 & BS7835**

The **British Standards** for these cables state they should be installed when both the cable temperature and the ambient temperature are above 0 °C and have been so for the previous 24 hours.

**Prysmian Group** advice for **PVC** sheathed:

Sheath Material	Minimum Installation Temperature	Minimum Operating Temperature (once installed)
<b>PVC</b>	0°C*	-15 °C

**Prysmian Group** advice for **LSOH** sheathed:

Sheath Material	Minimum Installation Temperature	Minimum Operating Temperature (once installed)
<b>LSOH</b>	-15°C*	-25 °C

### **Armoured Cables sheathed with MDPE to IEC60502, BS6622 or generally to BS5467\*\***

**Prysmian Group** advice for **MDPE** sheathed:

Sheath Material	Minimum Installation Temperature	Minimum Operating Temperature (once installed)
<b>MDPE</b>	-15°C*	-25 °C

\* **Note** – cable(s) must be stored above 0°C for the previous 24 hours.

\*\***Note** - BS5467 does list this sheath material.

**For Low Smoke Screened Cable - BS7629-1 and BS8436**

The **British Standards** for these cables state they should be installed when both the cable temperature and the ambient temperature are above 0 °C and have been so for the previous 24 hours.

**Prysmian Group** advice for **LSOH** sheathed:

Sheath Material	Minimum Installation Temperature	Minimum Operating Temperature (once installed)
<b>LSOH</b>	-15°C*	-25 °C

**Utility BS Cables - BS7870-3.40 & 3.50 (600/1000V) and BS7870-4.10 & 4.11 (MV)**

The British Standards for these cables state they should be installed when both the cable temperature and the ambient temperature are above 0 °C and have been so for the previous 24 hours.

**Prysmian Group** advice for **PVC** sheathed:

Sheath Material	Minimum Installation Temperature	Minimum Operating Temperature (once installed)
<b>PVC</b>	0°C*	-15 °C

**Prysmian Group** advice for **LSOH** sheathed:

Sheath Material	Minimum Installation Temperature	Minimum Operating Temperature (once installed)
<b>LSOH</b>	-15°C*	-25 °C

**Prysmian Group** advice for **MDPE** sheathed:

Sheath Material	Minimum Installation Temperature	Minimum Operating Temperature (once installed)
<b>MDPE</b>	-15°C*	-25 °C

\* **Note** – cable(s) must be stored above 0°C for the previous 24 hours.