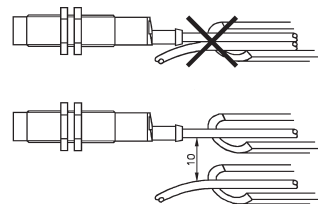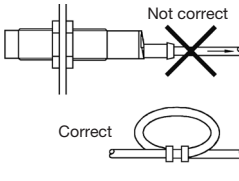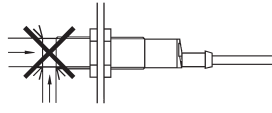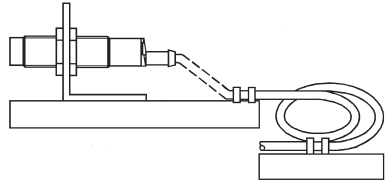## Installation Hints

Capacitive sensors have a unique ability to detect almost any material in liquid or solid form. Capacitive sensors are able to detect metallic as well as non-metallic objects. However, their traditional use is for non-metallic materials such as:

• **Plastics Industry**
Resins, regrinds or moulded products.

• **Chemical Industry**
Cleansers, fertilizers, liquid soaps, corrosives and petrochemicals.

• **Wood Industry**
Saw dust, paper products, door and window frames.

• **Ceramics & Glass Industry**
Raw materials, clay or finished products, bottles.

• **Packaging Industry**
Package inspection for level or contents, dry goods, fruits and vegetables, dairy products.

Materials are detected due to their dielectric constant. The bigger the size of an object, the higher the density of material, the better or easier it is to detect the object.

The nominal sensing distance for a capacitive sensor is referred to a grounded metal plate (ST37). For additional information regarding dielectric ratings of materials please refer to Technical Information.

To avoid interference from inductive voltage/current peaks, separate the prox. switch power cables from any other power cables, e.g. motor, contactor or solenoid cables	*Relief of cable strain* Not correct Correct The cable should not be pulled	*Protection of the sensing face* A proximity switch should not serve as mechanical stop	*Switch mounted on mobile carrier* Any repetitive flexing of the cable should be avoided

Delivery Contents

• Capacitive switch: CA30CAN/CAF.......
• Installation & Adjustment Guide
• 2 x M30 fingernuts
• Screwdriver
• **Packaging:** Cardboard box

Accessories

• Connector type CONM14NF.. -series.
• Mounting Brackets AMB30-S (straight), AMB30-A (angled)