

# SABIX® POLYOLEFIN BASED, NON-HALOGEN THERMOPLASTIC

## ■ General

This material has several outstanding characteristics. As registered trademark of SAB BRÖCKSKES GmbH & Co. KG, SABIX® combines progressive cable technology with highest security for the user. When used properly, there is neither a health nor carcinogenic risk associated with SABIX®. SABIX® products are completely recyclable and can be reused after decomposition. Standard halogen-free cables offer a large degree of safety to humans, nature, buildings and machinery, but tend to be very stiff. This is not the case with SABIX®. SABIX® possesses several technical advantages over PVC including excellent flexibility.

## ■ SABIX® provides:

- excellent oil resistance acc. to DIN VDE + EN
- flexible to cold temperatures of -40°C
- heat resistant up to +90°C
- suitable for outdoor application
- extremely flexible
- very good capacitance
- increased abrasion resistance
- fully recyclable
- low smoke density acc. to DIN VDE, IEC and BS + EN
- flame retardant and self-extinguishing acc. to DIN VDE and IEC + EN
- halogen free acc. to DIN VDE + IEC

## ■ Materials

**1. SABIX® 336** This material is best used as a flexible conductor insulator. According to DIN VDE, as well as having non-halogen content, this material is also described as being: highly flexible, highly weather resistant, very good capacitance, increased abrasion resistance, fully recyclable, oil resistant acc. to DIN VDE.

The temperature range is as follows:

Static:	-50 °C/+90 °C
Flexing:	-40 °C/+90 °C

**2. SABIX® 322** This material is best used as a flexible jacket material. According to DIN VDE, as well as having non-halogen content, this material is also described as being: highly flexible, highly weather resistant, very good capacitance, increased abrasion resistance, fully recyclable, oil resistant acc. to DIN VDE.

The temperature range is as follows:

Static:	-50 °C/+90 °C
Flexing:	-40 °C/+90 °C

**3. SABIX® 230 FRNC** This material is best used as a flexible jacket material. The abbreviation FRNC stands for **F**lame **R**etardant, **N**on-**C**orrosive. SABIX® 230 FRNC meets the burning requirements according to DIN VDE and IEC. It is also: halogen-free according to DIN VDE and IEC, has low smoke-density according to DIN VDE, IEC and BS, high flexibility and is fully recyclable.

The temperature range is as follows:

Static:	-40 °C/+85 °C
Flexing:	-30 °C/+85 °C