

POLYOLEFIN BASED, NON-HALOGEN THERMOPLASTIC

■ General

This material has several outstanding characteristics. As registered trademark of BRÖCKSKES GmbH & Co. KG, combines progressive cable technology with highest security for the user. When used properly, there is neither a health nor carcinogenic risk associated with . 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 . possesses several technical advantages over PVC including excellent flexibility.

■ 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. **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. **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. **230 FRNC** This material is best used as a flexible jacket material. The abbreviation FRNC stands for **Flame Retardant, Non-Corrosive**. 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