



**IKEBANA
ENGINEERING LTD.**

Heat shrinkable cable accessories

Heat Shrinkable Conductive Breakouts

Heat Shrink Semi-Conductive Cable Breakouts

Characteristics

This data sheet covers the requirements for heat shrink conductive breakouts whose dimensions will shrink to a predetermined size upon the application of heat above 125 deg. C. Color of the conductive breakouts is black. The conductive breakouts are electrically semi conductive, UV resistant and weather proof. Conductive breakouts have three fingers. The main body is coated internally with mastic and covered with a release paper.

Typical applications

The conductive breakouts provide a semi conductive screen and sealing over the crutch of multi-core cables. The mastic sealant provides a water tight environmental seal to the cable. The conductive cable breakouts are normally used as an integral part of 3-core cable terminations up to 36 kV and also in 3-core cable joints up to 36 kV.

Materials

The base material of the conductive breakouts is thermally stabilized, cross linked polyolefin. The basic resin is mixed with chemical additives offering resistance against UV radiation, oxidation, ozone and other environmental effects. The most important additive is conductive carbon black, which adds electrical conductivity to the material. The sealant is butyl rubber based mastic which is electrical insulating and water-proof.

Dimensions and Ordering information

| Breakout Model | Breakout main diameter | | Finger Diameter | | Full Length | Finger Length |
|----------------|------------------------|--------|-----------------|--------|-------------|---------------|
| | R (mm) | S (mm) | R (mm) | S (mm) | R (mm) | R (mm) |
| IXL 310 CON | 22.0 | 60.0 | 8.0 | 24.0 | 185.0 | 45.0 |
| IXL 320 CON | 33.0 | 80.0 | 16.0 | 36.0 | 210.0 | 50.0 |
| IXL 325 CON | 33.0 | 95.0 | 16.0 | 36.0 | 210.0 | 50.0 |
| IXL 330 CON | 47.0 | 110.0 | 20.0 | 48.0 | 225.0 | 75.0 |
| IXL 335 CON | 47.0 | 125.0 | 20.0 | 55.0 | 250.0 | 75.0 |
| IXL 340 CON | 54.0 | 140.0 | 27.0 | 62.0 | 240.0 | 65.0 |

S: As Supplied

R: Fully Recovered