



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.

The following application table gives the dimensions of our Conductive breakouts:

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

