TRANSTECH

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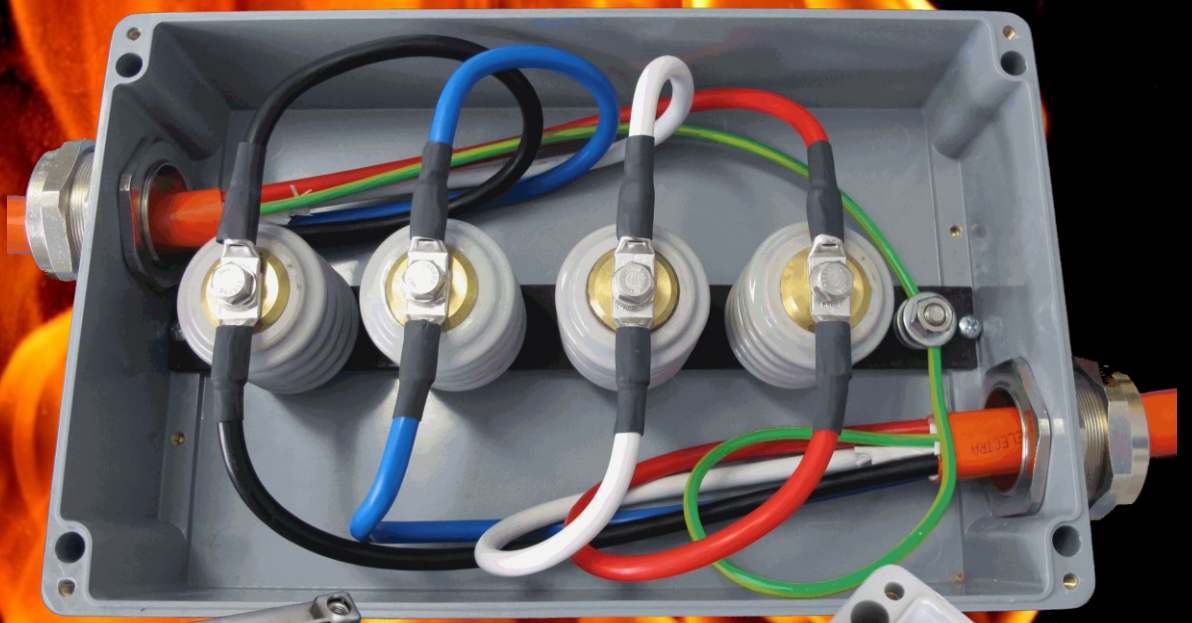
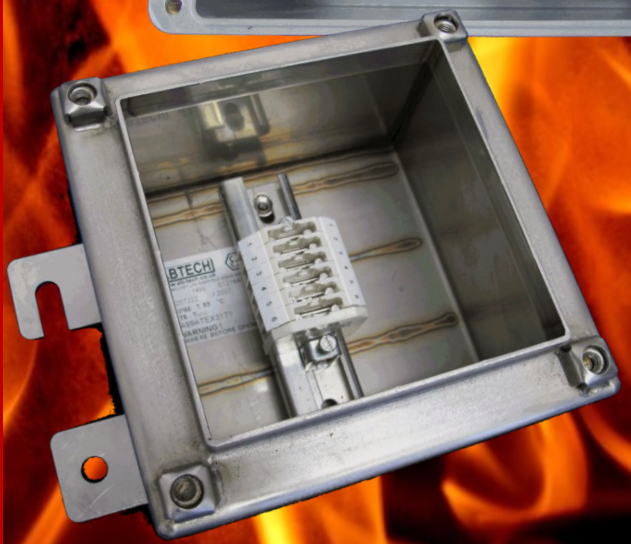
TERMINAL OPTIONS.
Rail, Block or Ceramic Post





THE BPG-F RANGE IS FIRE TESTED & PASSED to AS/NZS 3013:2005

BPG-F Specification:
IP66/67 to IEC 60529:1989 plus A1:1999 plus A2:2013
IK09 Impact level to EN 62262:2002 (IEC 62262:2002)
-70°C to +130°C Temperature Range
Lloyds Register of Shipping – Certificate MCH 700327

CAPABILITY SUMMARY
FIRE RATED ENCLOSURES, APPLICATIONS & EXPERIENCE

When installing essential systems such as emergency lighting or fire safety controls, great emphasis is placed upon the fire survivability of the critical components such as fire dampers, actuators and cables that are contained in the area.

Often the specification of the junction boxes is neglected with respect to fire survival.

On the basis that any system is only as good as the weakest part, it is important that attention is paid to the junction boxes being utilised for essential systems. ABTECH have many years experience of ensuring the fire survival of junction boxes using both the **SX** (stainless steel) and **BPG** (glass reinforced polyester) ranges.

ABTECH have supplied major projects worldwide with fire rated junction boxes including the Channel Tunnel, Dartford Tunnel and the Tengiz Oil Refinery in Kazahkstan to name but a few.

In conclusion, the ABTECH SX and BPG ranges, when fitted with ceramic terminals, are suitable for use in areas which are designated to require fire resistant cables. The type of enclosure to be used will depend on the individual circumstances of the area and advice on the most suitable enclosure should be sought from Transtech's Technical Sales Department on 08 93022044.

ABTECH Stainless Steel and GRP ranges.

IEC331 Fire Test

750°C for 3 hours followed by visual inspection • Then 5kV insulation resistance test

BS6387 Fire Test - 3 separate tests

1. Fire alone: Category C • Flame at 950°C for 3 hours, cables powered
2. Fire with Water: Category W • Flame at 650°C for 15 minutes then flame and water spray for 15 minutes
3. Fire with Mechanical shock: Category Z • Flame at 950°C with mechanical shock applied at 15s intervals for 15minutes.

Note: All fire rated enclosures must be fitted with ceramic terminals

The Standard IEC 331.1970 became IEC 60331 which forms the technical basis for AS/NZS 1660.5.5 (technically aligned to IEC 60331, 750°C for 3 hours followed by visual inspection then 5kV insulation test.

The ABTECH BPG-F range below is tested and passed to Standard AS/NZS 3013:2005.

The BPGF range of GRP enclosures offer the following:

IP66/67 to IEC 60529:1989 plus A1:1999 plus A2:2013
IK09 Impact level to EN 62262:2002 (IEC 62262:2002)
-70°C to +130°C Temperature Range
Lloyds Register of Shipping – Certificate MCH 700327

Available Range

Model No and Sizes

GRP Range Polyester Reinforced				SX Range #316 Stainless Steel			
Part Numb	W (mm)	H (mm)	D (mm)	Part Number	W (mm)	H (mm)	D (mm)
TESTED to BS6387C/IEC331				TESTED to BS6387C/IEC331			
BPG1-F	80	75	55	SX45	114	114	51
BPG2-F	110	75	55	SX64	102	152	63
BPG3-F	160	75	55	SX66	152	152	102
BPG4-F	190	75	55	SX0	152	229	
BPG4.5-F	190	75	75	SX0.5	184	274	
BPG5-F	230	75	55	SX1	234	324	
TESTED/PASSED to AS/NZS 3013:2005				SX1.5	306	306	
BPG6-F	122	120	90	SX2	372	324	
BPG7-F	220	120	90	SX3	372	448	
BPG8-F	160	160	90	SX4	372	510	
BPG9-F	260	160	90	SX5	510	510	
BPG10-F	360	160	90	SX6	510	780	
BPG11-F	560	160	90	SX7	650	950	
BPG12-F	255	250	120	SX8	800	1250	
BPG13-F	400	250	120				
BPG13.5-F	400	250	150				
BPG14-F	600	250	120				
BPG15-F	400	405	120				

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