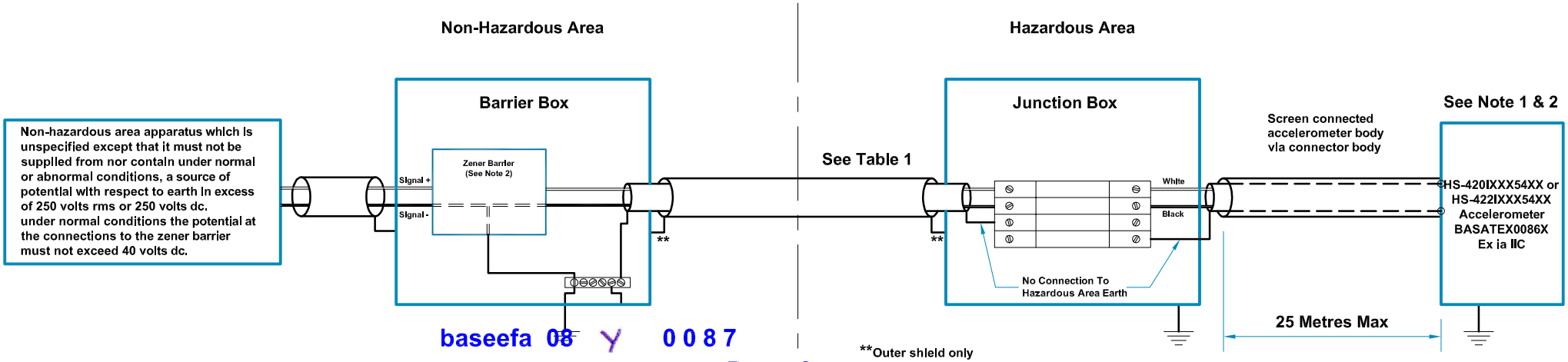

baseefa 08 Y 0087

**Outer shield only connected to chassis via Ex approved cable gland

Baseefa Certification Schedule Drawing

Table 1: Cable Connecting The Connector Version		
Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.080	56
IIB	0.246	168
IIA	0.661	448

Hansford Sensors Ltd

HS-420I & HS-422I
Accelerometer System
Baseefa08Y0087
Ex ia IIC T6 (-40°C ≤ Ta ≤ +60°C)

Notes:

1. The capacitance and inductance, or inductance - to - resistance ratio (L/R) of hazadous area cable, must not exceed the values shown in Table 1.

2. The cable from the accelerometer to the junction box must not be installed in a high velocity dust laden atmosphere

3. Any shunt zener diode saftey barrier certified by an ec approved body to [EEx ia] IIC having the following output parameters: Uo = 28V dc, Io = 93mA dc, Po = 0.65W. e.g. MTL7787+ to BAS01ATEX7217 or Pepperl + Fuchs Z787 to BAS01ATEX7005

4.The installer is to perform a risk assesment in accordance with clause 10 of EN 60079-25 and install lightning protection arrestors as deemed necessary.

Rev No	DRF No	Date Drg	Drg By	Appd By
A	Release	31/03/08	MJS	CMH

Material: N/A

Tolerances Unless Stated
0 or 0.0 ±0.5
0.00 ±0.15
Angle ±5°
1.6 Finish All Over
Threads g6 H6

Hansford Sensors
Excellence in Vibration Monitoring
Hansford Sensors Ltd
Saunderton Business Park
Haw Lane
Saunderton
Bucks HP14 4JE

Do Not Scale

All Dimensions In mm Unless Otherwise Stated

If In Doubt - Ask!

Description: System Connections For HS-420I & HS-422I Group II Accelerometers With Connectors F.U.W. Zener Barrier

Drawing No: M06-018-A

Scale: NTS

Sheet: 2 of 2

Form Number: QF024 Issue 1