

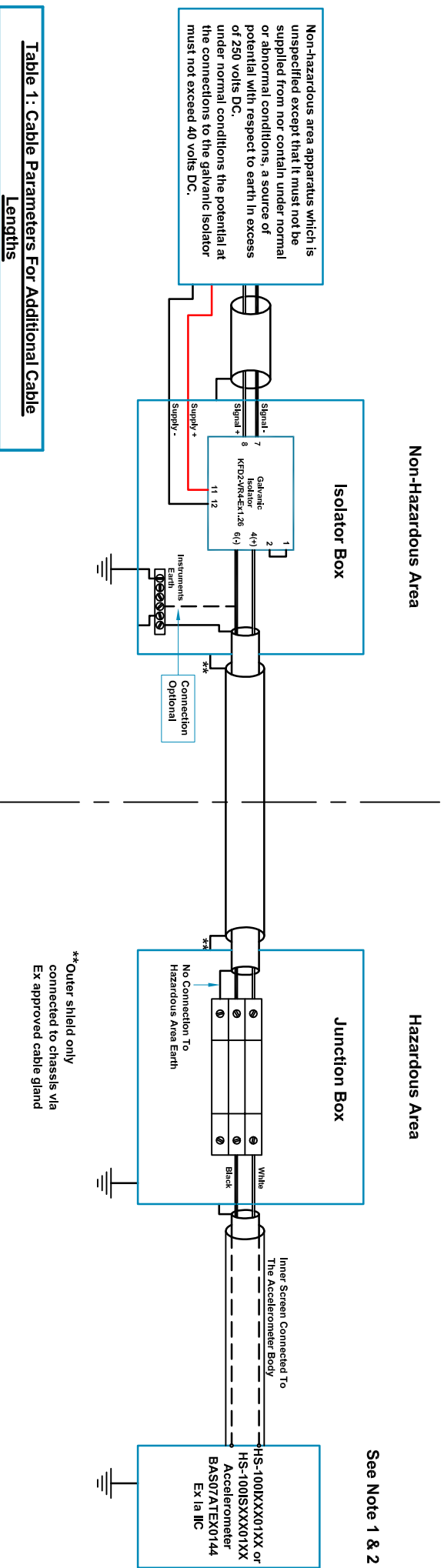


Table 1 : Cable Parameters For Additional Cable Lengths

Accelerometer With Integral Cable Length ≤ 10m			
Group	Capacitance µF	L/R Ratio µH/Ω	
IIC	0.086	46	
IIB	0.730	172	
IIA	2.470	363	
Accelerometer With Integral Cable Length ≤ 50m			
Group	Capacitance µF	L/R Ratio µH/Ω	
IIC	0.051	46	
IIB	0.695	172	
IIA	2.435	363	
Accelerometer With Integral Cable Length ≤ 92m			
Group	Capacitance µF	L/R Ratio µH/Ω	
IIC	0.013	46	
IIB	0.657	172	
IIA	2.397	363	

Hansford Sensors Ltd

HS-100I or HS-100IS
Accelerometer System

Ex ia IIC T4 (-55°C ≤ Ta ≤ +110°C) or
Ex ia IIC T6 (-55°C ≤ Ta ≤ +60°C)

Notes:

1. The capacitance and inductance, to resistance ratio (L/R) of hazardous 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. The installer is to perform a risk assessment 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	Material: N/A	
A	Release	15/06/07	MJS	CMH		
					Tolerances Unless Stated	
					0 or 0.0 ±0.5	
					±0.15	
					1/8" Finish All Over	
					Threads g6 H6	
					Angle ±5°	
 Hansford Sensors Established in Vibration Monitoring Hansford Sensors Ltd Artisan, Hillbottom Rd Sands Industrial Estate High Wycombe Bucks HP12 4HJ						
			Do Not Scale		Description: System Connections For HS-100I & HS-100IS Group II Accelerometers With 2 Pin M/S Connector F.U.W. Galvanic Isolation	
All Dimensions in mm Unless Otherwise Stated			If In Doubt - Ask!		Drawing No: M06-056-A	
Scale: NTS			Form Number: QF024 Issue 1		Sheet: 1 of 2	