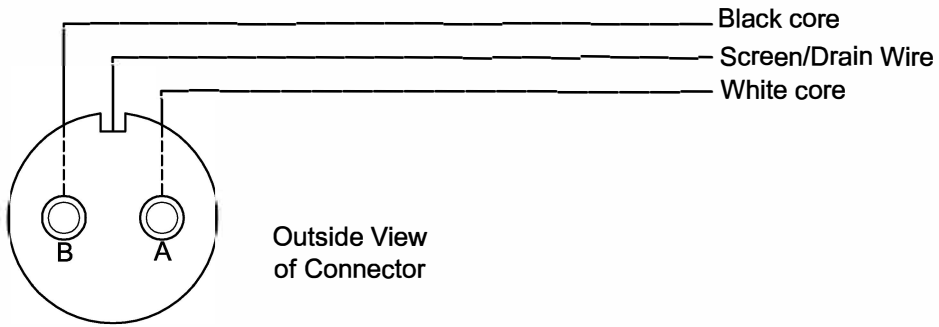
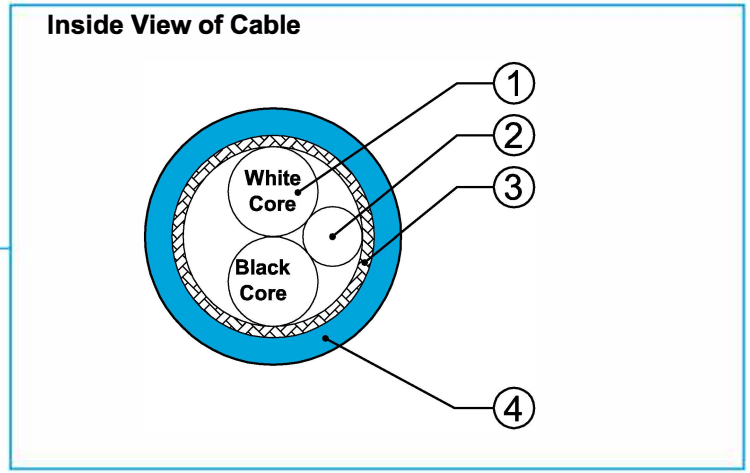
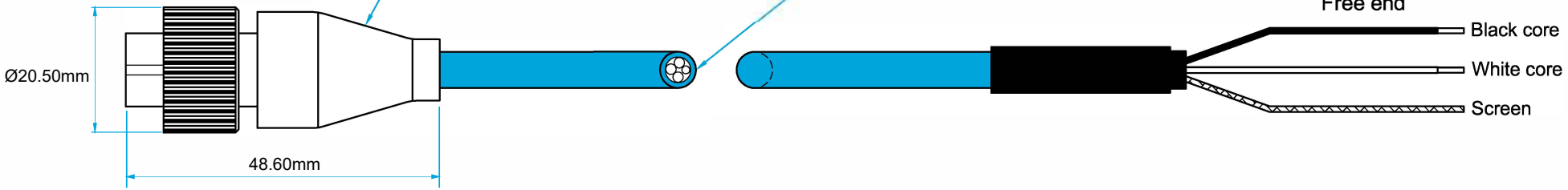
Connection Details of Cable Assembly





2 Pin MS Overmoulded Straight Socket Connector with 316 Stainless Steel Locking Ring

Connector sealed to IP68 only when connected to the accelerometer.



Environment Specification of Cable Assembly

Maximum operating temperature of 150°C with high levels of resistance to chemical attack.

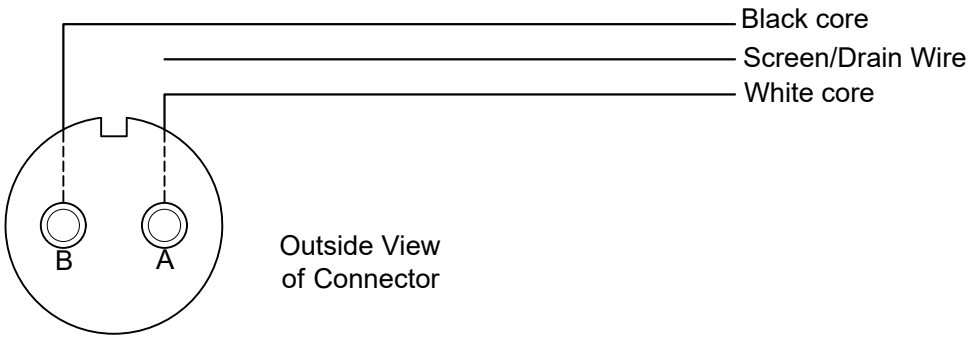
Materials of Cable: High Temperature FEP Cable				
Pos	**Description**	**Dimension**	**Overall Diameter**	**Remarks**
1.	Tin plated copper conductor insulation of FEP	20 AWG	Copper 0.96 Insulation 1.47	19 x 0.2
2.	Tin plated copper drain wire	20 AWG	0.96	19 x 0.2
3.	Braided screen of tin plated copper wire	16 x 6 x 0.127	3.3.8	Optimised: 85% min
4.	Jacket of FEP, blue	Thickness 0.35mm	4.5	Tube-Extruded

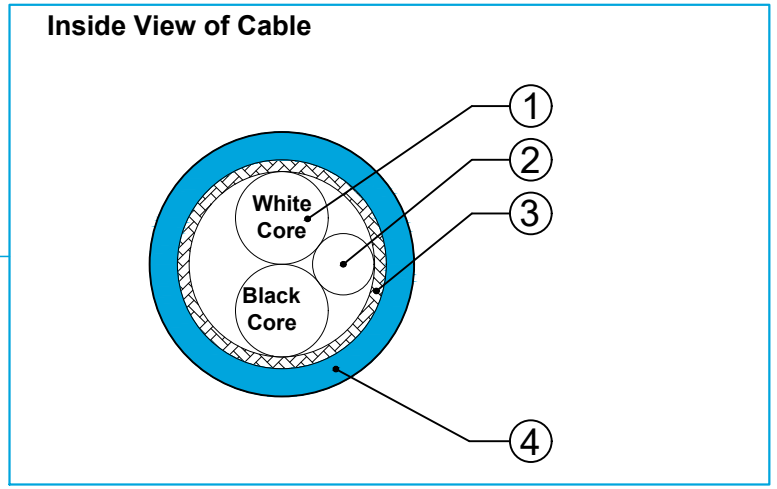
Technical Data of Cable		
Technical Data	**Values at 20°C**	**Unit**
Conductor Resistance	34	Ω / km
Insulation Resistance	>5000	MΩ x km
Test Voltage	3	KV DC
Voltage Rating	600/1000	V AC
Capacitance	Core-core: 85	pF / m
Inductance	0.54	1kHz µH/m
L/R Ratio	7.94	µH/Ω
Weight	40	g / m
Temperature Rating	-80 / +200	°C

Hansford Sensors
Excellence in Vibration Monitoring

Tel: +44(0) 845 680 1957
Fax: +44(0) 845 680 1958
Email: sales@hansfordsensors.com
Web: www.hansfordsensors.com

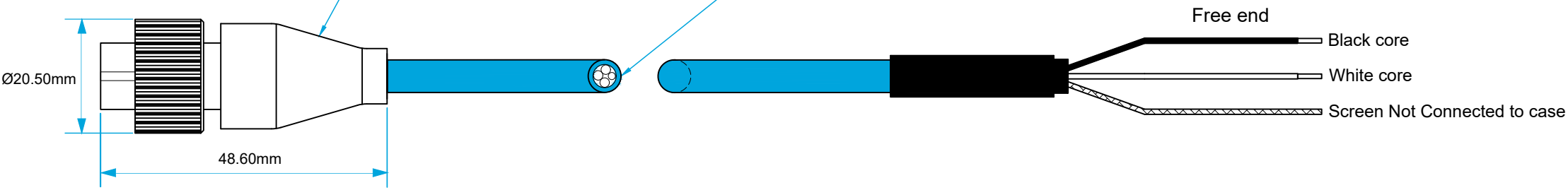
Connection Details of Cable Assembly





2 Pin MS Overmoulded Straight Socket Connector with 316 Stainless Steel Locking Ring

Connector sealed to IP68 only when connected to the accelerometer.



Environment Specification of Cable Assembly

Maximum operating temperature of 150°C with high levels of resistance to chemical attack.

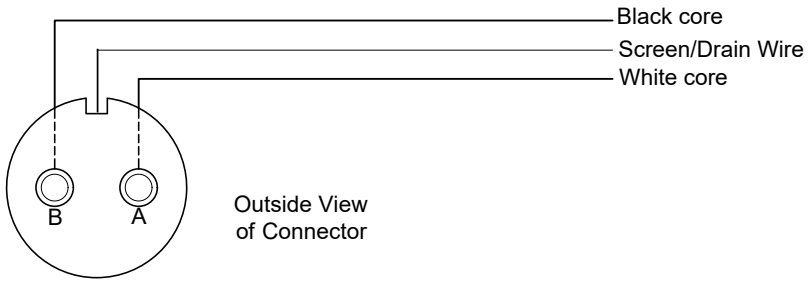
Materials of Cable: High Temperature FEP Cable				
Pos	**Description**	**Dimension**	**Overall Diameter**	**Remarks**
1.	Tin plated copper conductor insulation of FEP	20 AWG	Copper 0.96 Insulation 1.47	19 x 0.2
2.	Tin plated copper drain wire	20 AWG	0.96	19 x 0.2
3.	Braided screen of tin plated copper wire	16 x 6 x 0.127	3.3.8	Optimised: 85% min
4.	Jacket of FEP, blue	Thickness 0.35mm	4.5	Tube-Extruded

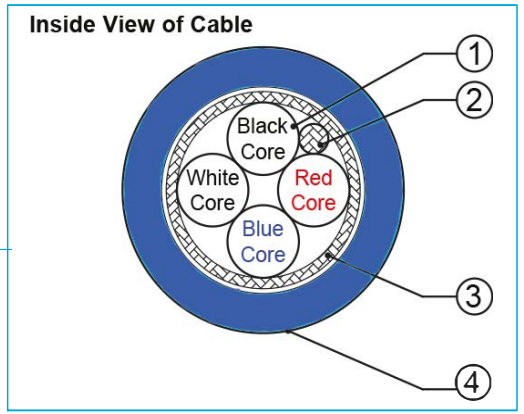
Technical Data of Cable		
Technical Data	**Values at 20°C**	**Unit**
Conductor Resistance	34	Ω / km
Insulation Resistance	>5000	MΩ x km
Test Voltage	3	KV DC
Voltage Rating	600/1000	V AC
Capacitance	Core-core: 85	pF / m
Inductance	0.54	1kHz µH/m
L/R Ratio	7.94	µH/Ω
Weight	40	g / m
Temperature Rating	-80 / +200	°C

Hansford Sensors
Excellence in Vibration Monitoring

Tel: +44(0) 845 680 1957
Fax: +44(0) 845 680 1958
Email: sales@hansfordsensors.com
Web: www.hansfordsensors.com

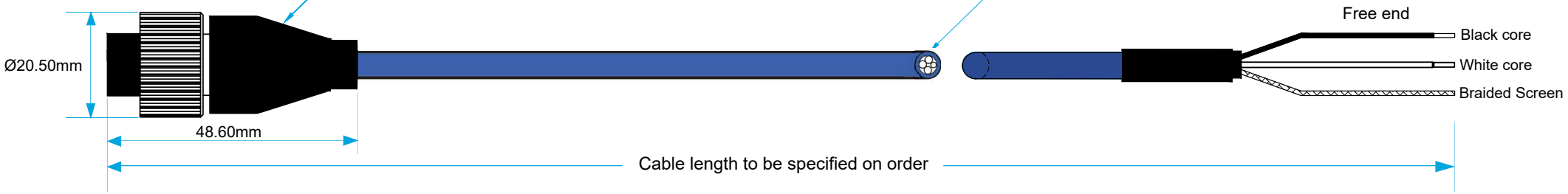
Connection Details of Cable Assembly





2 Pin MS Overmoulded Straight Socket Connector with 316 Stainless Steel Locking Ring

Connector sealed to IP68 only when connected to the accelerometer.



Materials of Cable: HFFR Cable				
Pos	**Description**	**Dimension**	**Overall Diameter**	**Remarks**
1.	Tin plated copper conductor Halogen free, flame retardant insulation	22 AWG t = 0.20	0.96 1.16	19 x 0.16
2.	Tin plated copper drain wire	26 AWG	0.48	19 x 0.10
3.	Wrapped aluminium / polyester foil screen		3.00	
4.	Cross-linked, halogen free flame retardant jacket, Blue	t = 1.15	5.30	jacket colour should approximate RAL 5019 pressure-extruded smooth and round

Technical Data of Cable		
Technical Data	**Values at 20°C**	**Unit**
Conductor Resistance	53.1	Ω / km
Insulation Resistance	>600	MΩ x km
Test Voltage	3	KV DC
Voltage Rating	600/1000	V AC
Capacitance	Core - op core: 139 Core - ad core: 145 Core - screen: 240	pF / m
AC loop Inductance	0.547	mH / km
L/R Ratio	60 Hz: 0.005	ms (2 adjacent cores)
Weight	43	g / m
Temperature Rating	-40 / +125	°C

How To Order

Product Prefix
HS - Hansford Sensors

Product Series
AC - Cable Assemblies

H	S	A	C	6	6	0	X	X

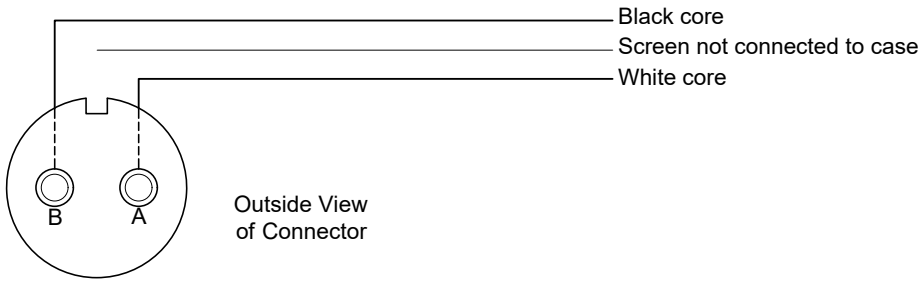
Cable Number

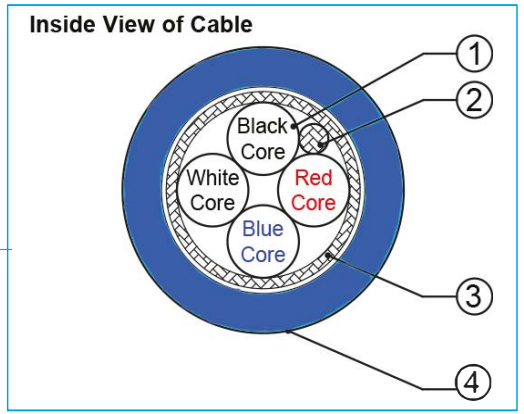
Cable Length
*Available in multiples of 5. For other lengths please consult our sales office.

Environment Specification of Cable Assembly
Maximum operating temperature of 150°C with high levels of resistance to chemical attack.

Hansford Sensors
Excellence in Vibration Monitoring
Tel: +44(0) 845 680 1957
Fax: +44(0) 845 680 1958
Email: sales@hansfordsensors.com
Web: www.hansfordsensors.com

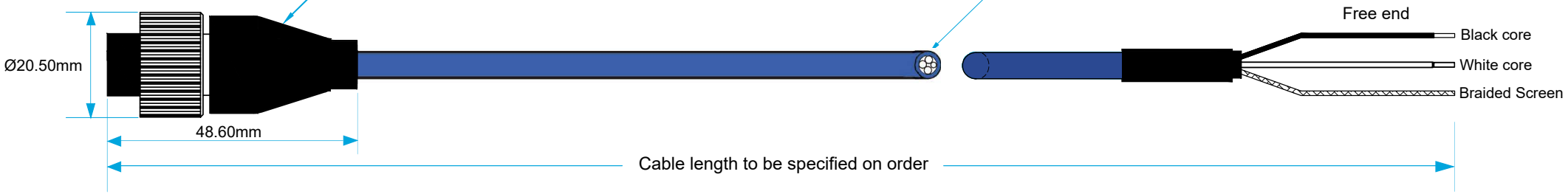
Connection Details of Cable Assembly





2 Pin MS Overmoulded Straight Socket Connector with 316 Stainless Steel Locking Ring

Connector sealed to IP68 only when connected to the accelerometer.



Materials of Cable: HFFR Cable				
Pos	**Description**	**Dimension**	**Overall Diameter**	**Remarks**
1.	Tin plated copper conductor Halogen free, flame retardant insulation	22 AWG t = 0.20	0.96 1.16	19 x 0.16
2.	Tin plated copper drain wire	26 AWG	0.48	19 x 0.10
3.	Wrapped aluminium / polyester foil screen		3.00	
4.	Cross-linked, halogen free flame retardant jacket, Blue	t = 1.15	5.30	jacket colour should approximate RAL 5019 pressure-extruded smooth and round

Technical Data of Cable		
Technical Data	**Values at 20°C**	**Unit**
Conductor Resistance	53.1	Ω / km
Insulation Resistance	>600	MΩ x km
Test Voltage	3	KV DC
Voltage Rating	600/1000	V AC
Capacitance	Core - op core: 139 Core - ad core: 145 Core - screen: 240	pF / m
AC loop Inductance	0.547	mH / km
L/R Ratio	60 Hz: 0.005	ms (2 adjacent cores)
Weight	43	g / m
Temperature Rating	-40 / +125	°C

How To Order

Product Prefix
HS - Hansford Sensors

Product Series
AC - Cable Assemblies

H	S	A	C	6	6	0	X	X

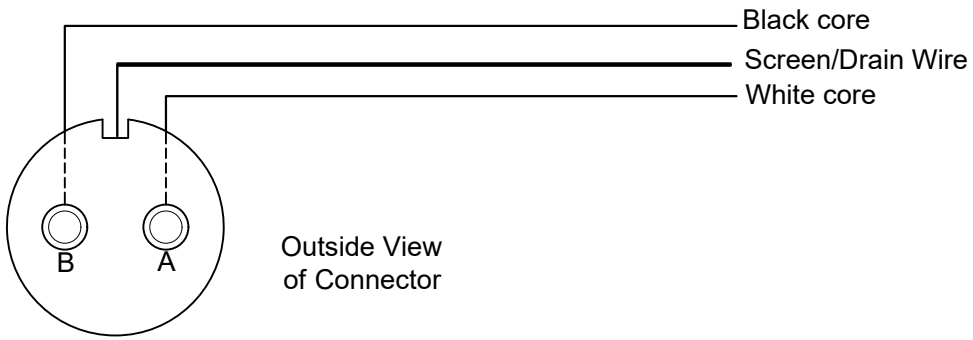
Cable Number

Cable Length
*Available in multiples of 5. For other lengths please consult our sales office.

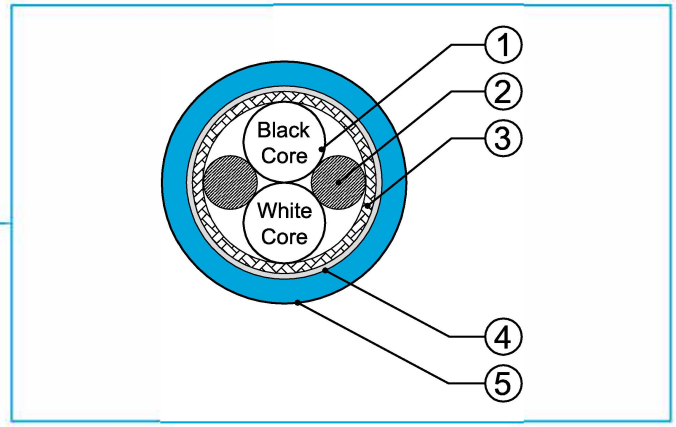
Environment Specification of Cable Assembly
Maximum operating temperature of 150°C with high levels of resistance to chemical attack.

Hansford Sensors
Excellence in Vibration Monitoring
Tel: +44(0) 845 680 1957
Fax: +44(0) 845 680 1958
Email: sales@hansfordsensors.com
Web: www.hansfordsensors.com

Connection Details of Cable Assembly

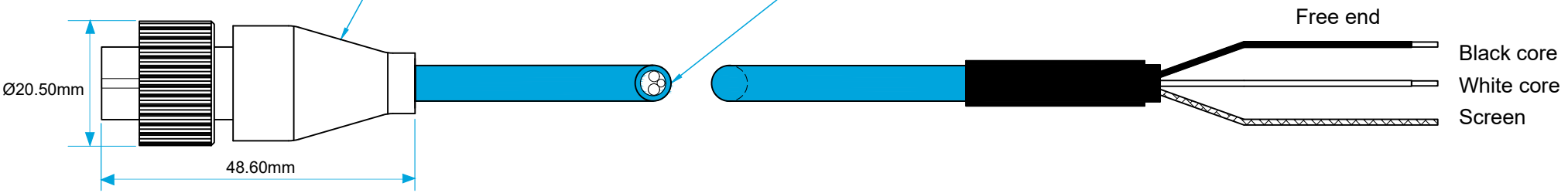


Inside View of Cable



2 Pin MS Overmoulded Straight Socket Connector with 316 Stainless Steel Locking Ring

Connector sealed to IP68 only when connected to the accelerometer.



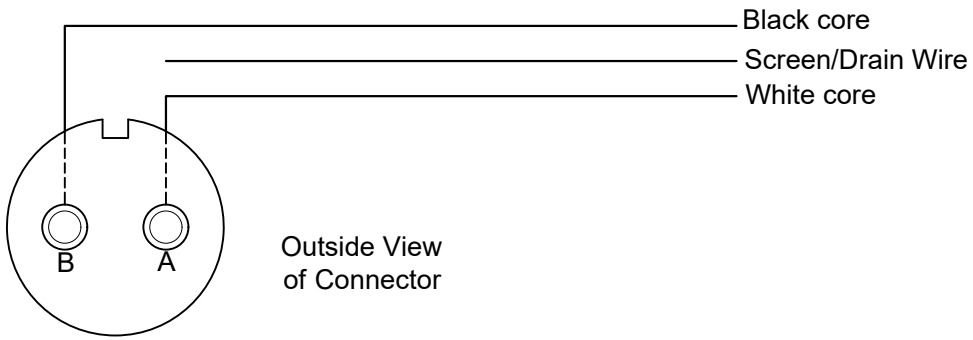
Materials of Cable: C01-024 FR Polyurethane Cable				
Pos	**Description**	**Dimension**	**Overall Diameter**	**Remarks**
1.	Tin plated copper conductor insulation of ETFE	24 AWG	0,60 1,14	19 X 0,13
2.	Solid LT filler		0,6	
3.	Braided screen of tin plated copper	0,10mm	2,8	Optimised: 90% min
4.	Non woven polyester binder		3,0	
5.	Jacket of FR polyurethane, blue pressure-extruded round, Halogen free	0,60mm	4,2 4,0	Nominal OD Minimum OD

Technical Data of Cable		
Technical Data	**Values at 20°C**	**Unit**
Conductor Resistance	86,0	Ω / km
Insulation Resistance	>1500	MΩ x km
Test Voltage	3	KV DC
Voltage Rating	600	V AC
Capacitance	Core-core: 88	nF / km
	Core-screen: 158	
Impedance	Core-core: 56	Ω
	Core-screen: 31	
Inductance	0,715	µH/m
Radiation Tolerance	2x 10 E5	Gy
Weight	24,5	g / m
Temperature Rating	-40/+100	°C

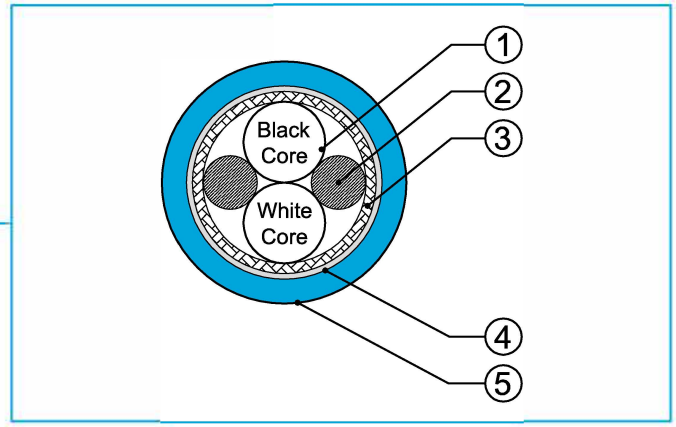
Hansford Sensors
Excellence in Vibration Monitoring

Tel: +44(0) 845 680 1957
Fax: +44(0) 845 680 1958
Email: sales@hansfordsensors.com
Web: www.hansfordsensors.com

Connection Details of Cable Assembly

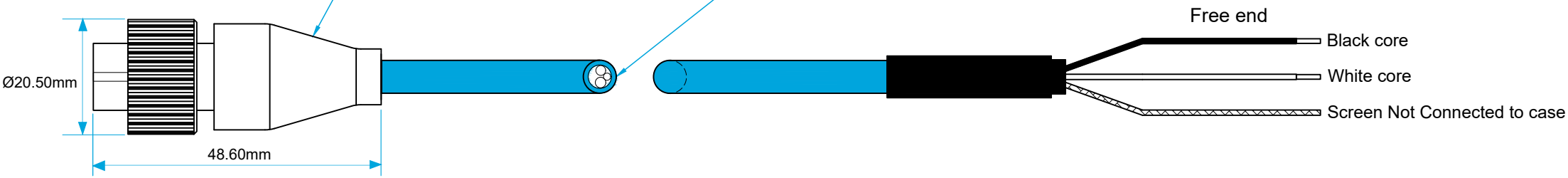


Inside View of Cable



2 Pin MS Overmoulded Straight Socket Connector with 316 Stainless Steel Locking Ring

Connector sealed to IP68 only when connected to the accelerometer.



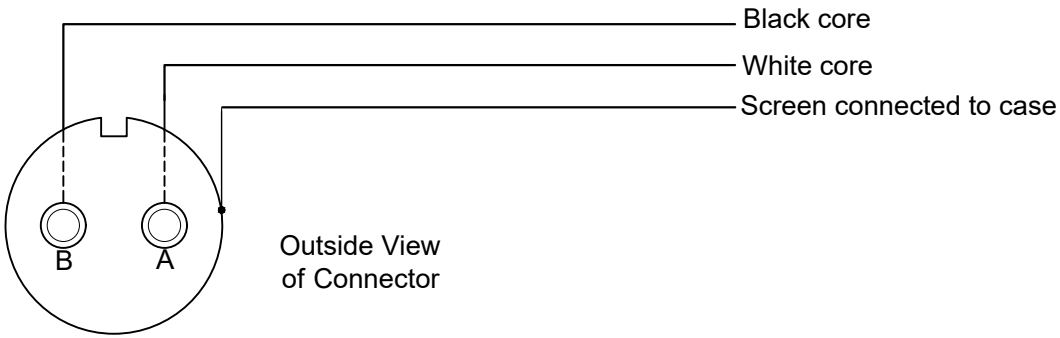
Materials of Cable: C01-024 FR Polyurethane Cable				
Pos	**Description**	**Dimension**	**Overall Diameter**	**Remarks**
1.	Tin plated copper conductor insulation of ETFE	24 AWG	0,60 1,14	19 X 0,13
2.	Solid LT filler		0,6	
3.	Braided screen of tin plated copper	0,10mm	2,8	Optimised: 90% min
4.	Non woven polyester binder		3,0	
5.	Jacket of FR polyurethane, blue pressure-extruded round, Halogen free	0,60mm	4,2 4,0	Nominal OD Minimum OD

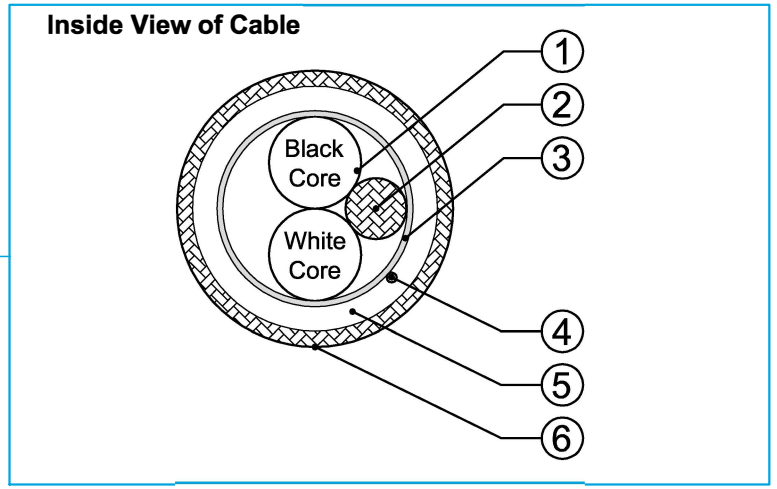
Technical Data of Cable		
Technical Data	**Values at 20°C**	**Unit**
Conductor Resistance	86,0	Ω / km
Insulation Resistance	>1500	MΩ x km
Test Voltage	3	KV DC
Voltage Rating	600	V AC
Capacitance	Core-core: 88	nF / km
	Core-screen: 158	
Impedance	Core-core: 56	Ω
	Core-screen: 31	
Inductance	0,715	µH/m
Radiation Tolerance	2x 10 E5	Gy
Weight	24,5	g / m
Temperature Rating	-40/+100	°C

Hansford Sensors
Excellence in Vibration Monitoring

Tel: +44(0) 845 680 1957
Fax: +44(0) 845 680 1958
Email: sales@hansfordsensors.com
Web: www.hansfordsensors.com

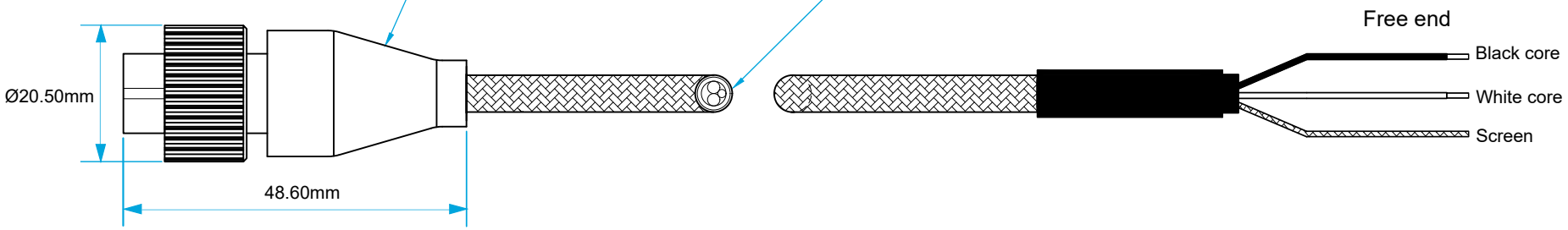
Connection Details of Cable Assembly





2 Pin MS Overmoulded Straight Socket Connector with 316 Stainless Steel Locking Ring

Connector sealed to IP68 only when connected to the accelerometer.



Environment Specification of Cable Assembly

Maximum operating temperature of 150°C with high levels of resistance to chemical attack.

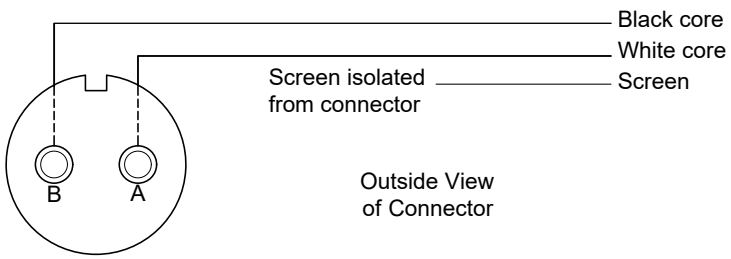
Materials of Cable: C01-002 Overbraided cable				
Pos	**Description**	**Dimension**	**Overall Diameter**	**Remarks**
1.	Tin plated copper conductor insulation of ETFE	20 AWG 0.17	0.96 1.30	19 x 0.20
2.	Screen wire of tin plated copper	20 AWG	0.96	19 x 0.20
3.	Wrapped aluminium polyester foil screen		2.8	Coverage: 100%
4.	Kevlar tear-thread			
5.	Jacket of FEP, black	0.45	3.7	
6.	Braided armour of stainless steel wire	16 x 7 x 0.12 Lay = 11,8 Angle = 46,6	4.20	Nom. Coverage: 95%

Technical Data of Cable		
Technical Data	**Values at 20°C**	**Unit**
Conductor resistance	32,4	Ω / km
Insulation resistance	>1500	MΩ x Km
Test voltage	3	KV DC
Voltage rating	600	V AC
Capacitance	Core-core: 165 ± 10%	nF / km
	Core-screen: 310 ± 10%	
Impedance	Core-core: 33 ± 10%	Ω
	Core-screen: 18 ± 10%	
Radiation tolerance	10 E4	Gy
Weight	45	g / m
Temperature rating	-65 / +150	°C

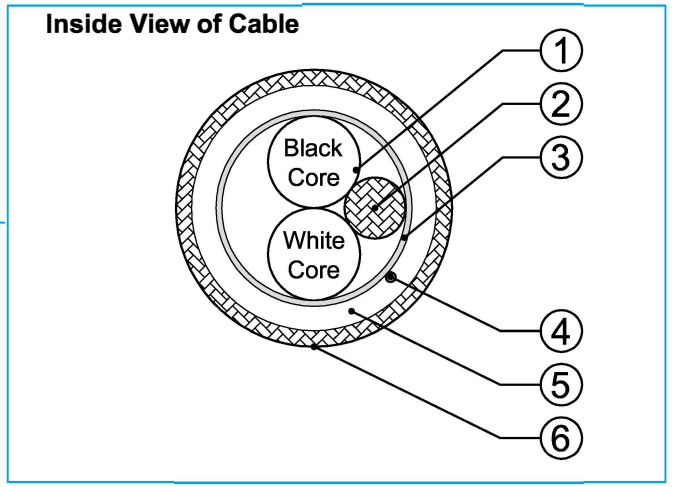
Hansford Sensors
Excellence in Vibration Monitoring

Tel: +44(0) 845 680 1957
Fax: +44(0) 845 680 1958
Email: sales@hansfordsensors.com
Web: www.hansfordsensors.com

Connection Details of Cable Assembly

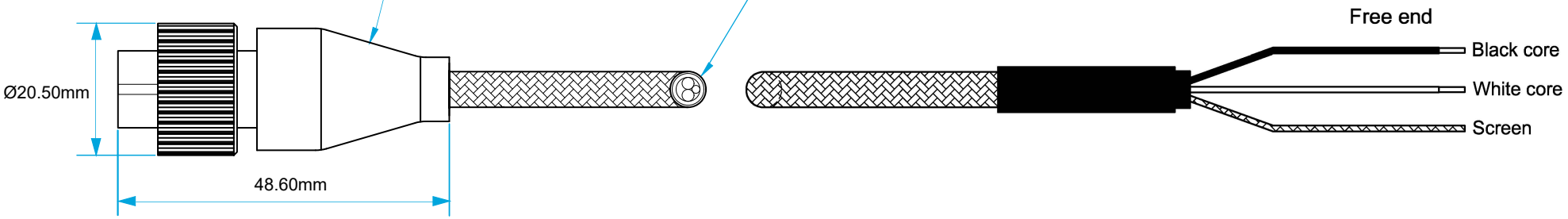


Inside View of Cable



2 Pin MS Overmoulded Straight Socket Connector with 316 Stainless Steel Locking Ring

Connector sealed to IP68 only when connected to the accelerometer.



Materials of Cable: **C01-002** Overbraided cable				
Pos	**Description**	**Dimension**	**Overall Diameter**	**Remarks**
1.	Tin plated copper conductor insulation of ETFE	20 AWG 0.17	0.96 1.30	19 x 0.20
2.	Screen wire of tin plated copper	20 AWG	0.96	19 x 0.20
3.	Wrapped aluminium polyester foil screen		2.8	Coverage: 100%
4.	Kevlar tear-thread			
5.	Jacket of FEP, black	0.45	3.7	
6.	Braided armour of stainless steel wire	16 x 7 x 0.12 Lay = 11,8 Angle = 46,6	4.20	Nom. Coverage: 95%

Technical Data of Cable		
Technical Data	**Values at 20°C**	**Unit**
Conductor resistance	32,4	Ω / km
Insulation resistance	>1500	MΩ x Km
Test voltage	3	KV DC
Voltage rating	600	V AC
Capacitance	Core-core: 165 ± 10%	nF / km
	Core-screen: 310 ± 10%	
Impedance	Core-core: 33 ± 10%	Ω
	Core-screen: 18 ± 10%	
Radiation tolerance	10 E4	Gy
Weight	45	g / m
Temperature rating	-65 / +150	°C

Hansford Sensors
Excellence in Vibration Monitoring

Tel: +44(0) 845 680 1957
Fax: +44(0) 845 680 1958
Email: sales@hansfordsensors.com
Web: www.hansfordsensors.com