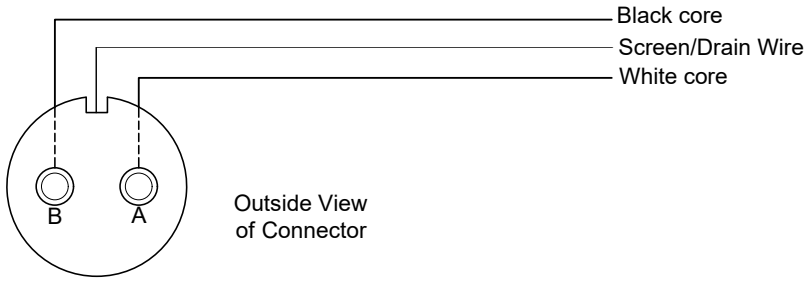
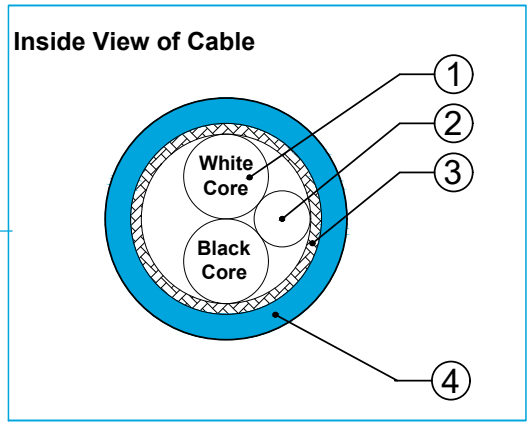
Connection Details of Cable Assembly

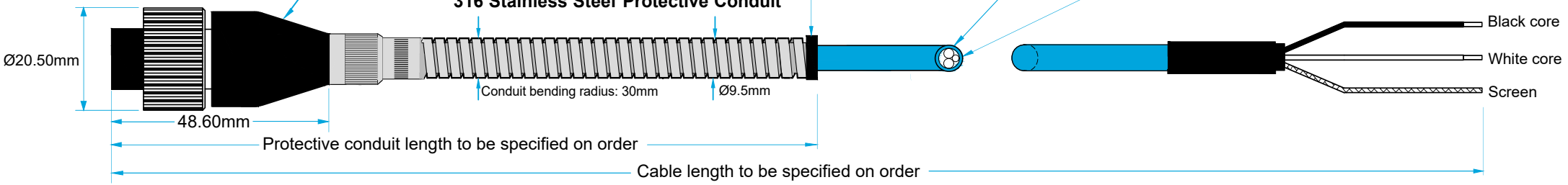




2 Pin MS Overmoulded Straight Socket Connector with 316 Stainless Steel Locking Ring

Connector sealed to IP68 only when connected to the accelerometer.

Please note HS-AA142 M12 adaptor x 1.5 conduit fitting with locknut can be supplied to suit junction/connection enclosures.



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

How To Order

Product Prefix	Product Series		C - Conduit								
HS - Hansford Sensors	AC - Cable Assemblies										
H	S	A	C	3	3	4	C	X	X	X	X
				Cable Number			Conduit Length *Available in multiples of 5. For other lengths please consult our sales office.			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.

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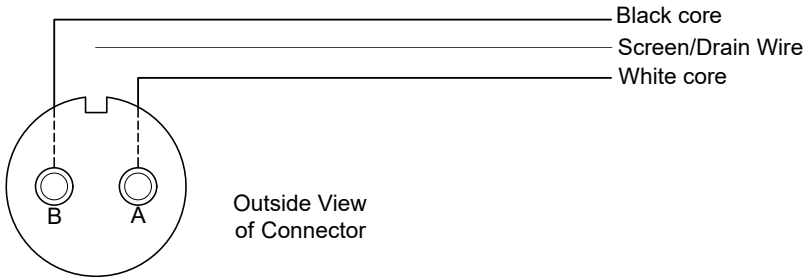
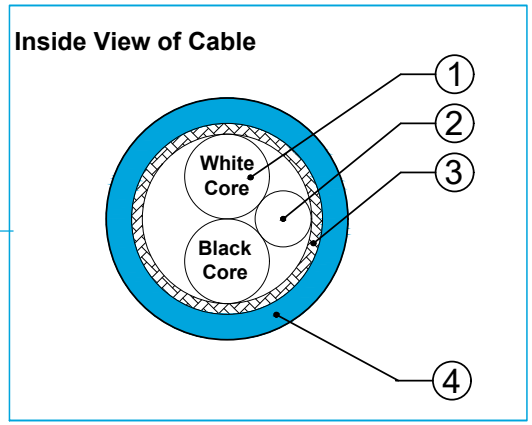
Connection Details of Cable Assembly





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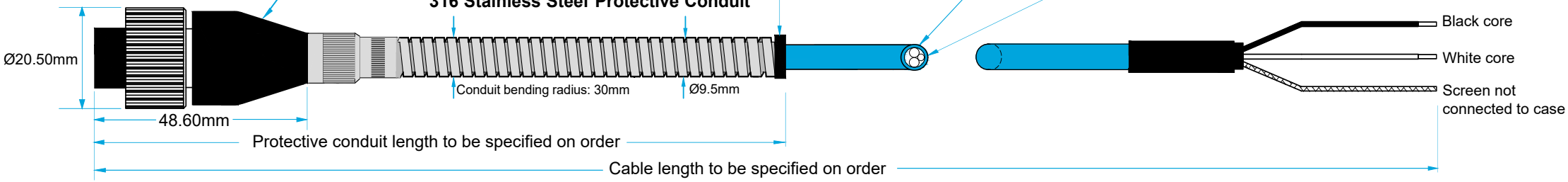

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Weight	40	g / m
Temperature Rating	-80 / +200	°C

How To Order

Product Prefix HS - Hansford Sensors	Product Series AC - Cable Assemblies	C - Conduit									SNC - Screen not connected		
H	S	A	C	3	3	4	C	X	X	X	X	S	N	C
				Cable Number			Conduit Length *Available in multiples of 5. For other lengths please consult our sales office.			Cable Length *Available in multiples of 5. For other lengths please consult our sales office.				

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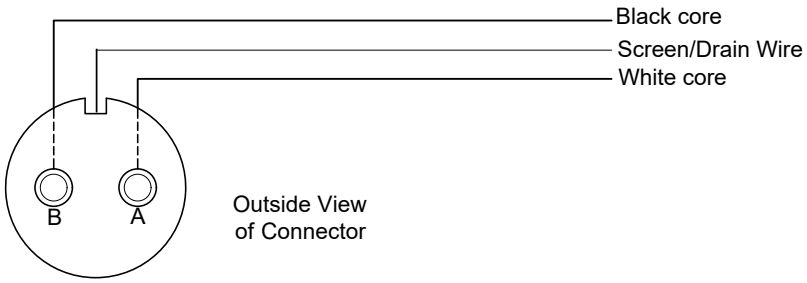

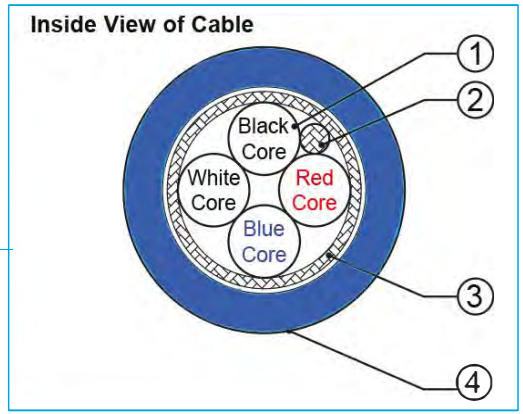

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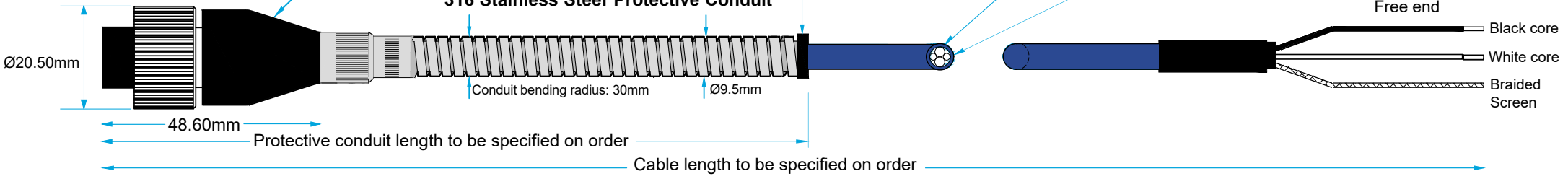

Materials of Cable: HFFR Cable				
Pos	**Description**	**Dimension**	**Overall Diameter**	**Remarks**
1.	Tin plated copper conductor Halogen free, flame retardant insulation	22 AWG t = 0.20	0.96 1.16	19 x 0.16
2.	Tin plated copper drain wire	26 AWG	0.48	19 x 0.10
3.	Wrapped aluminium / polyester foil 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

C - Conduit

H	S	A	C	6	6	0	C	X	X	X	X

Cable Number

Conduit Length
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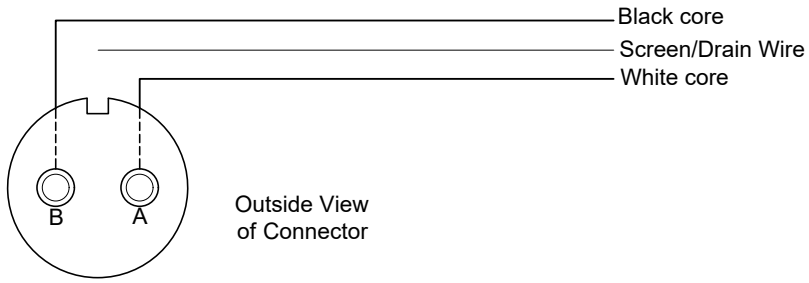

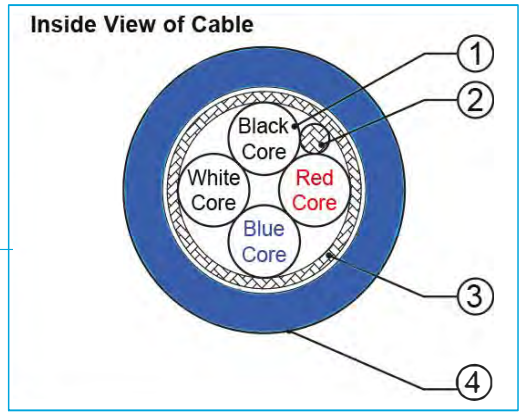

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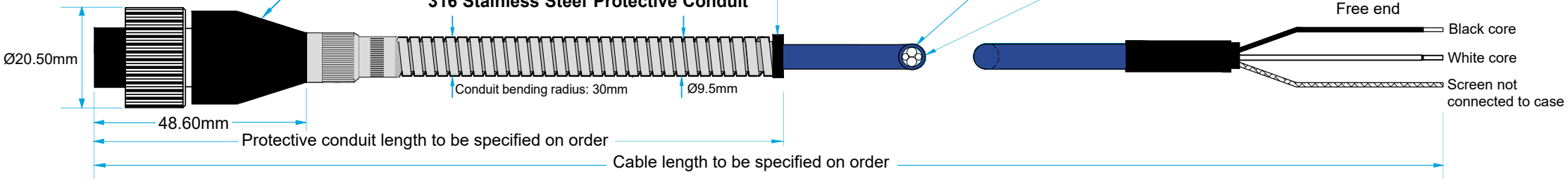

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