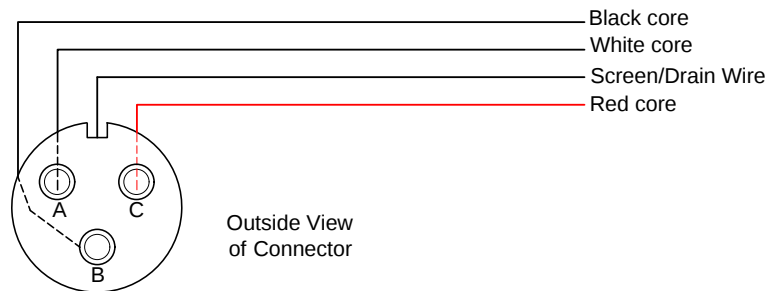


Connection Details of Cable Assembly



3 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.

316 Stainless Steel Protective Conduit

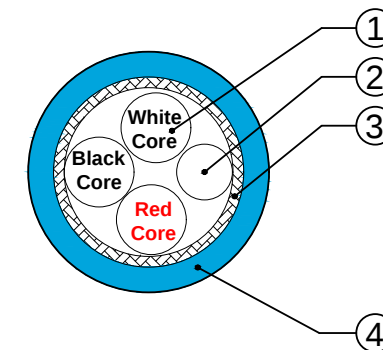
Conduit bending radius: 30mm

Ø9.5mm

Protective conduit length to be specified on order

Cable length to be specified on order

Inside View of Cable



Inner Cable

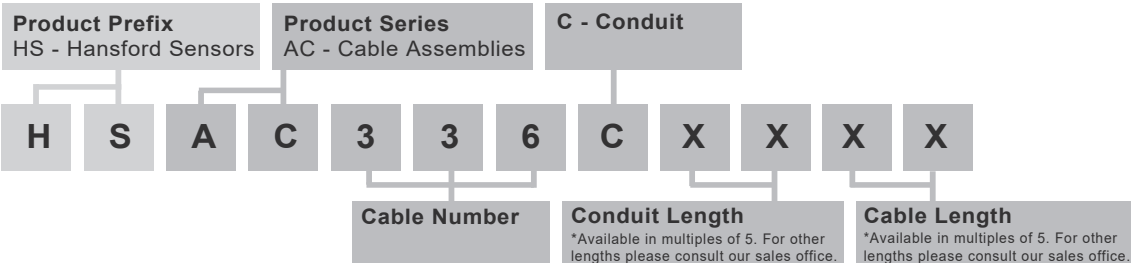
Free end

Black core
White core
Red core
Screen

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

How To Order



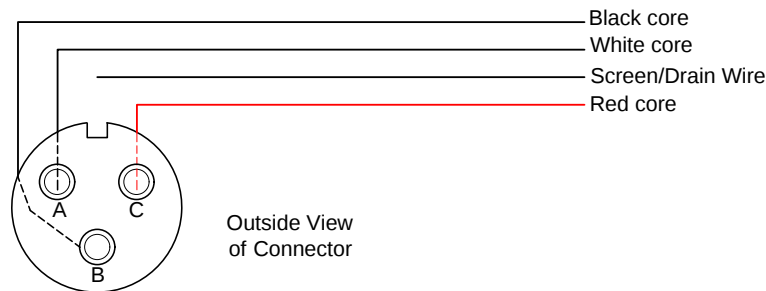
Technical Data of Cable

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

Environment Specification of Cable Assembly

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

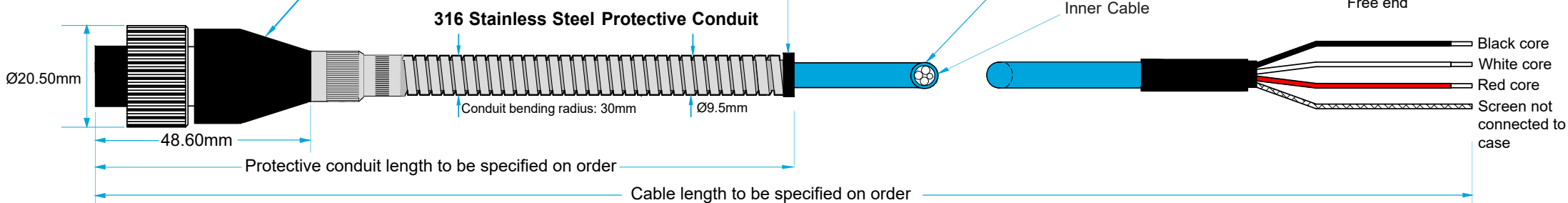
Connection Details of Cable Assembly



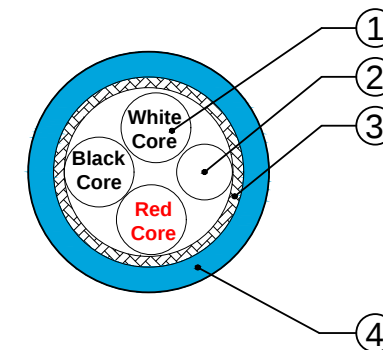
3 Pin MS Overmoulded Straight Socket Connector with 316 Stainless Steel Locking Ring

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.



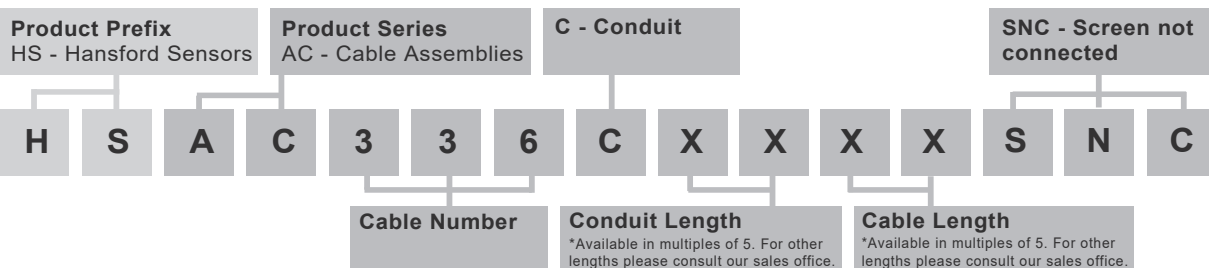
Inside View of Cable



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

How To Order



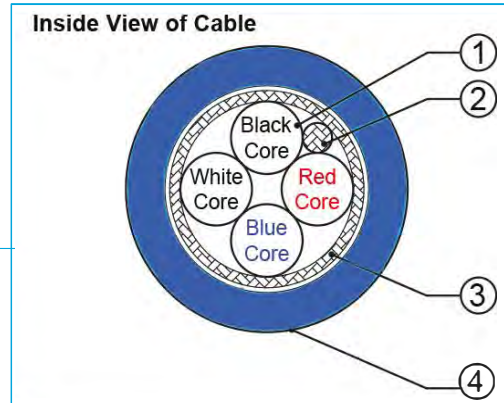
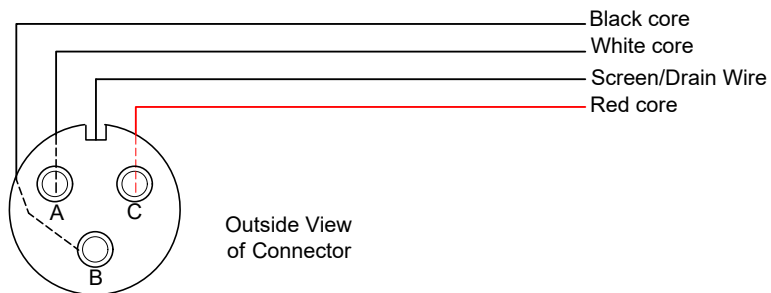
Technical Data of Cable

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
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Inductance	0.54	1kHz μH/m
L/R Ratio	7.94	μH/Ω
Weight	40	g / m
Temperature Rating	-80 / +200	°C

Environment Specification of Cable Assembly

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

Connection Details of Cable Assembly



3 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.

316 Stainless Steel Protective Conduit

Conduit bending radius: 30mm

Ø9.5mm

Protective conduit length to be specified on order

Cable length to be specified on order

Inner Cable

Free end

Black core
White core
Red core
Braided Screen

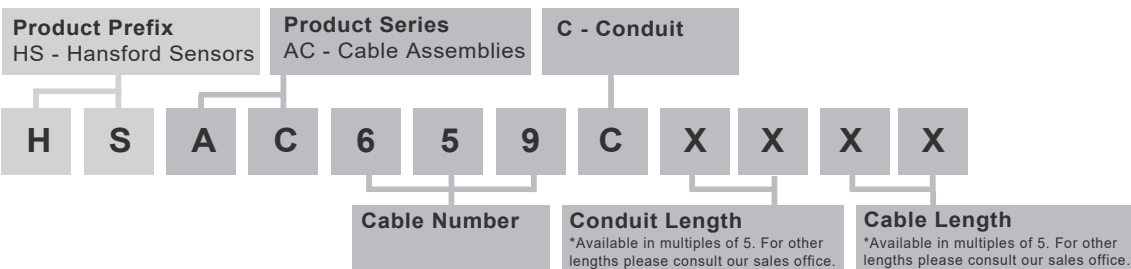
Materials of Cable: HFFR Cable

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

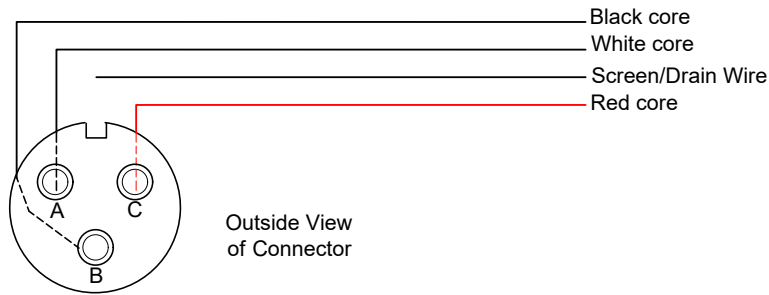
How To Order



Environment Specification of Cable Assembly

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

Connection Details of Cable Assembly



3 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.

316 Stainless Steel Protective Conduit

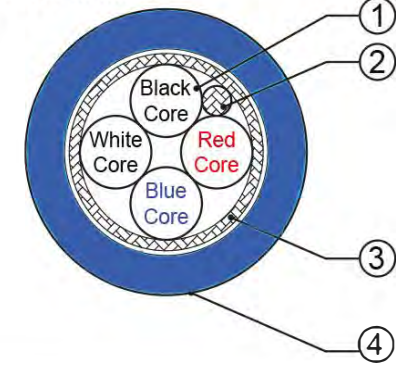
Conduit bending radius: 30mm

Ø9.5mm

Protective conduit length to be specified on order

Cable length to be specified on order

Inside View of Cable



Inner Cable

Free end

Black core
White core
Red core
Screen not connected to case

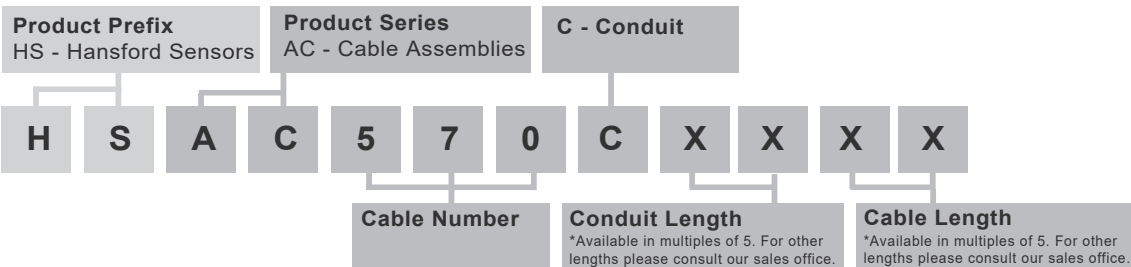
Materials of Cable: HFFR Cable

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Weight	43	g / m
Temperature Rating	-40 / +125	°C

How To Order



Environment Specification of Cable Assembly

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