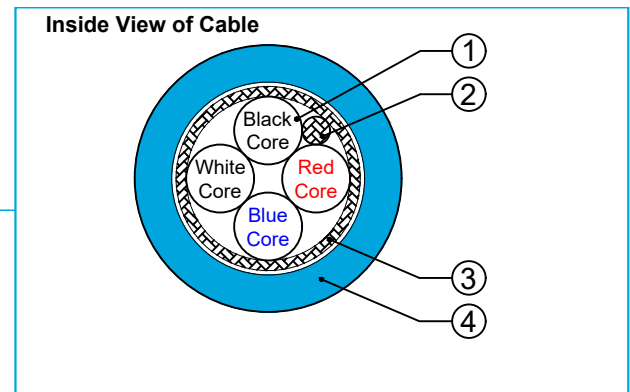
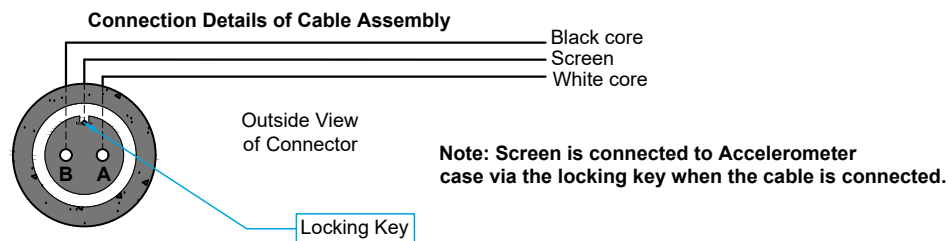
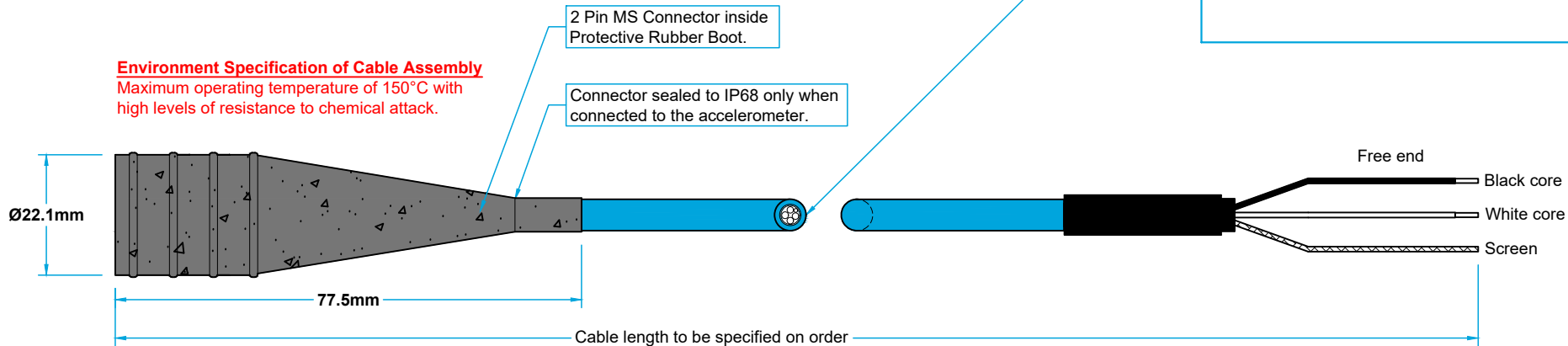




Environment Specification of Cable Assembly

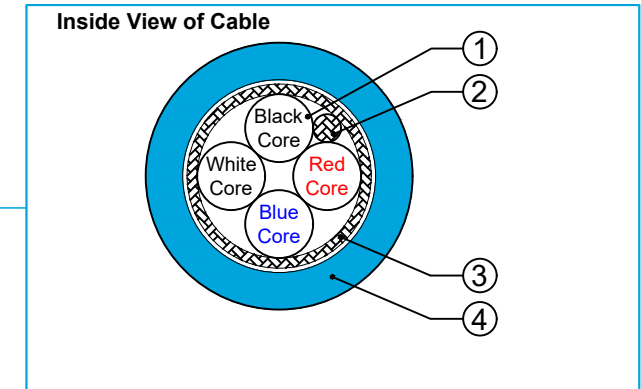
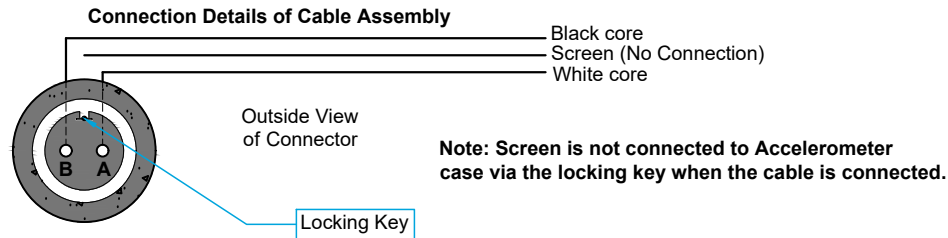
Maximum operating temperature of 150°C with high levels of resistance to chemical attack.



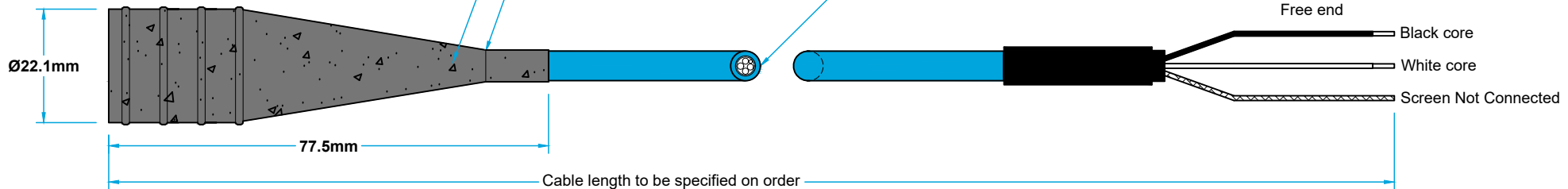
2 Way MS Connector		
Part	Description	Material
C02-112-2	2 Way MS Splash Proof Socket Cable Connector Kit for Ø5.2 cables with metal parts anodised with Alucrom 1200	Moulded Body is Moulded in Nylon 30% Glass Filled. Akulon K224-HG6. Terminals are Brass with Gold Flash Plating. Backshell is Metal and is Nickel Plated. Earth Bar is Spring Steel – Tin Plated
C02-114	Over Mould Boot for Ø5.2mm Cable Exit	Sarlink 3170

Materials of Cable: C01-001 PUR cable				
Pos	Description	Dimension	Overall Diameter	Remarks
1.	Tin plated copper conductor insulation of HFI 147	22 AWG 0,20	0,76 1,16	19 x 0,16 (0,34mm²)
2.	Screen wire of tin plated copper	26 AWG	0,48	19 x 0,10 (0,16mm²)
3.	Wrapped aluminium polyester foil screen		3,0	
4.	Jacket of TPU 90 M, blue pressure-extruded round	1,15	5,3 ± 0,2	

Technical Data of Cable		
Technical Data	Values at 20°C	Unit
Conductor resistance	Max: 53,1	Ω / km
Insulation resistance	>1500	MΩ x km
Test voltage	3	KV DC
Voltage rating	600	V AC
Capacitance	Core- opposite core: 139	nF / km
	Core- adjacent core: 145	
	Core-screen: 240	
Impedance	Core- opposite core: 48	Ω
	Core- adjacent core: 44	
	Core-screen: 20	
Radiation tolerance	4 x 10 ^5	Gy
Weight	38	g / m
Temperature rating	-40 / +90	°C
Core current rating	Max: 6	Amps at 40°C ambient air temp.

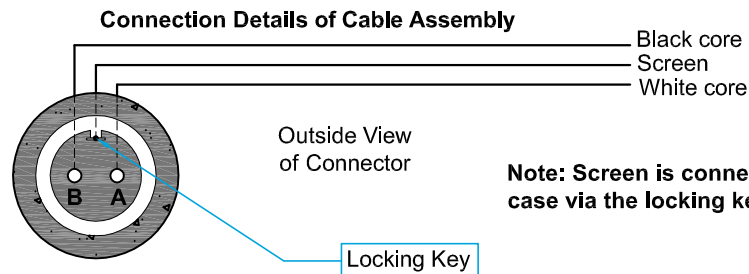


Environment Specification of Cable Assembly
Maximum operating temperature of 150°C with high levels of resistance to chemical attack.



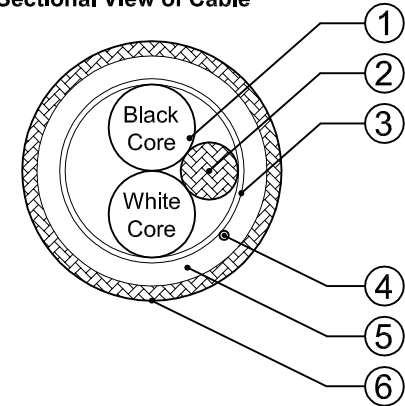
Materials of Cable: C01-001 PUR cable				
Pos	Description	Dimension	Overall Diameter	Remarks
1.	Tin plated copper conductor insulation of HFI 147	22 AWG 0,20	0,76 1,16	19 x 0,16 (0,34mm²)
2.	Screen wire of tin plated copper	26 AWG	0,48	19 x 0,10 (0,16mm²)
3.	Wrapped aluminium polyester foil screen		3,0	
4.	Jacket of TPU 90 M, blue pressure-extruded round	1,15	5,3 ± 0,2	

Technical Data of Cable		
Technical Data	Values at 20°C	Unit
Conductor resistance	Max: 53,1	Ω / km
Insulation resistance	>1500	MΩ x km
Test voltage	3	KV DC
Voltage rating	600	V AC
Capacitance	Core- opposite core: 139	nF / km
	Core- adjacent core: 145	
	Core-screen: 240	
Impedance	Core- opposite core: 48	Ω
	Core- adjacent core: 44	
	Core-screen: 20	
Radiation tolerance	4 x 10 ⁻⁵	Gy
Weight	38	g / m
Temperature rating	-40 / +90	°C
Core current rating	Max: 6	Amps at 40°C ambient air temp.



Note: Screen is connected to Accelerometer case via the locking key when the cable is connected.

Cross Sectional View of Cable

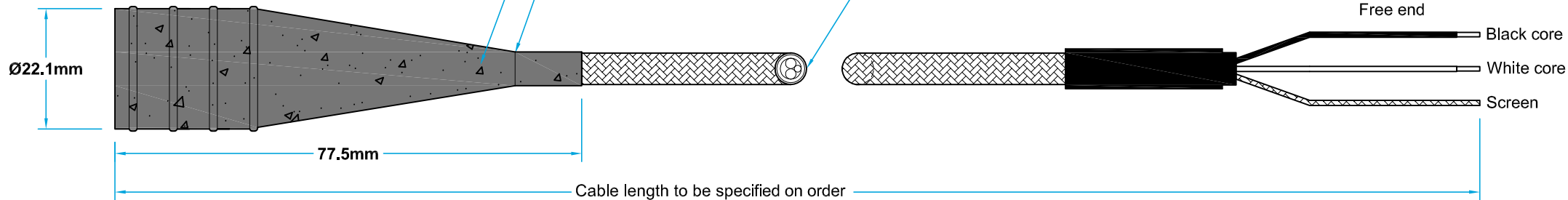


Environment Specification of Cable Assembly

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

2 Pin MS Connector inside Protective Rubber Boot.

Connector sealed to IP66 only when connected to the accelerometer.

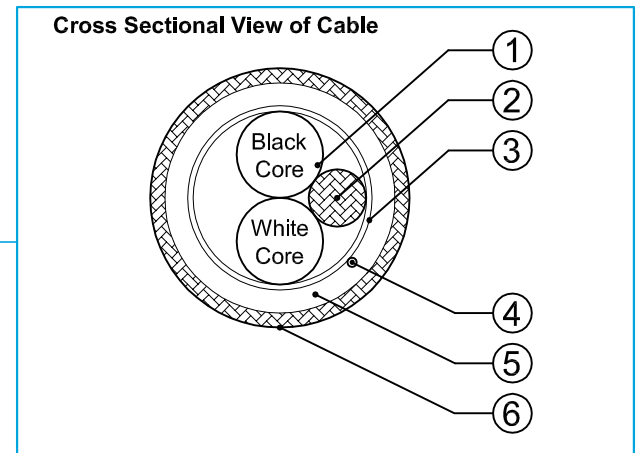
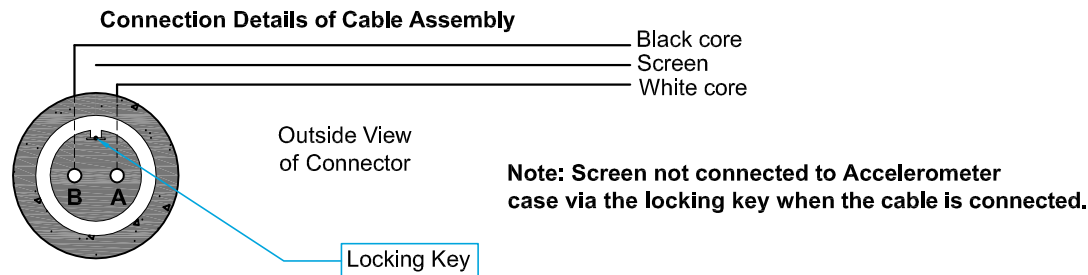


Materials of Cable: C01-002 Overbraided ETFE Cable

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 (0,6mm ²)
2.	Screen wire of tin plated copper	20 AWG	0,96	19 x 0,20 (0,6mm ²)
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	4,2 nom	Nom. Coverage: 95%

Technical Data of Cable

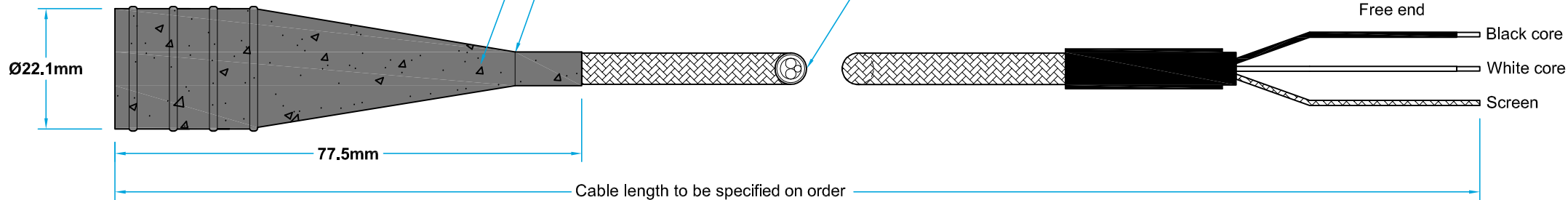
Technical Data	Values at 20°C	Unit
Conductor resistance	Max: 32,4	Ω / km
Insulation resistance	>1500	MΩ x km
Test voltage	3	KV DC
Voltage rating	600	V AC
Capacitance	Core-core: 165 ± 10%	nF / km
	Core-screen: 310 ± 10%	
Impedance	Core-core: 33 ± 10%	Ω
	Core-screen: 18 ± 10%	
Radiation tolerance	10 E4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



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

2 Pin MS Connector inside Protective Rubber Boot.

Connector sealed to IP66 only when connected to the accelerometer.



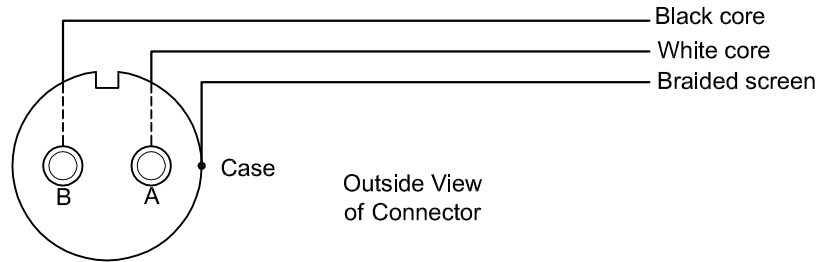
Materials of Cable: C01-002 Overbraided ETFE Cable

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 (0,6mm ²)
2.	Screen wire of tin plated copper	20 AWG	0,96	19 x 0,20 (0,6mm ²)
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	4,2 nom	Nom. Coverage: 95%

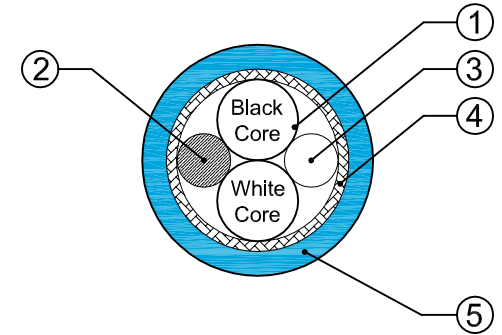
Technical Data of Cable

Technical Data	Values at 20°C	Unit
Conductor resistance	Max: 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

Connection Details of Cable Assembly



Inside View of Cable

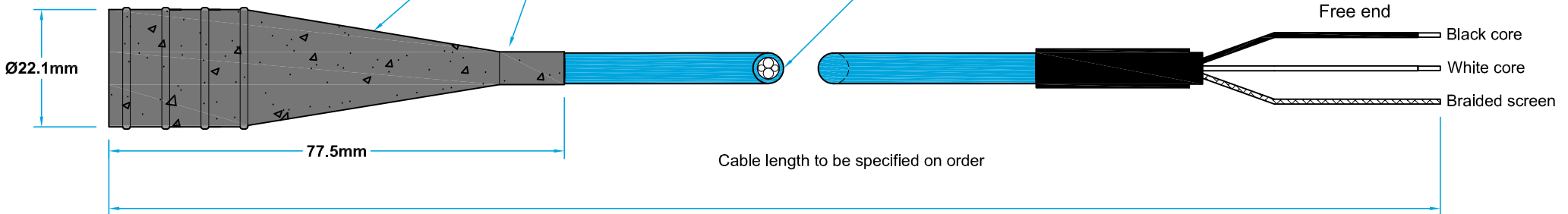


Environment Specification of Cable Assembly

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

2 Pin MS Connector inside Protective Rubber Boot.

Connector sealed to IP68 only when connected to the accelerometer.



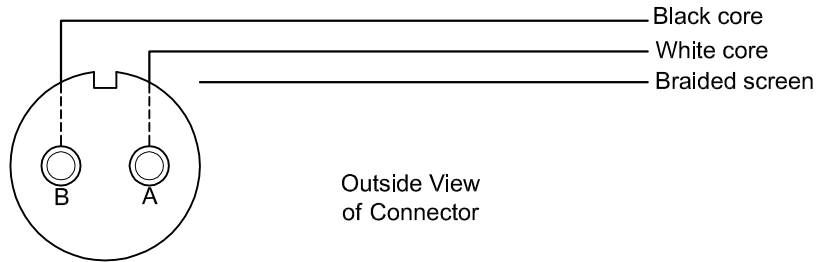
Materials of Cable: High Temperature FEP Cable

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.	Filler HT		0,6	
3.	Tin plated copper drain wire	0,10mm	2,8	Optimised: 85% min
4.	Braided screen of tin plated copper wire		3.1	
5.	Jacket of FEP, blue	Thickness 0.3mm	4.0	

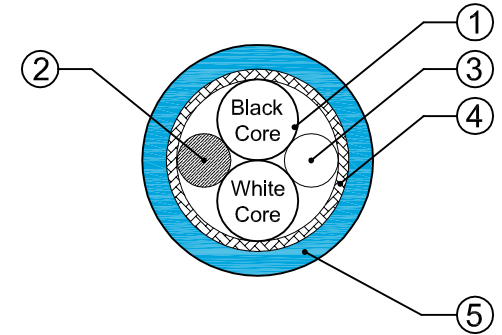
Technical Data of Cable

Technical Data	Values at 20°C	Unit
Conductor Resistance	32.4	Ω / km
Insulation Resistance	>1500	MΩ x km
Capacitance	Nom: 89	pF/m
Test Voltage	3	KV DC
Voltage Rating	600	V AC
Capacitance	Core-core: 88	nF / km
	Core-screen: 158	
Weight	40	g / m
Temperature Rating	-80 / +200	°C

Connection Details of Cable Assembly



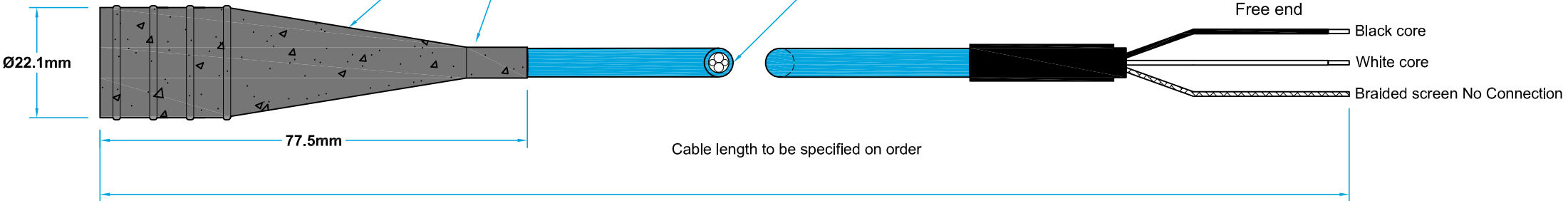
Inside View of Cable



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

2 Pin MS Connector inside Protective Rubber Boot.

Connector sealed to IP68 only when connected to the accelerometer.

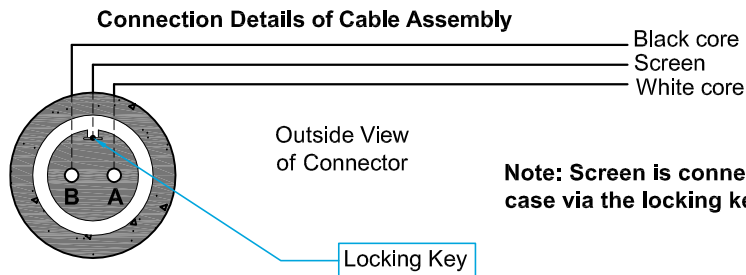


Materials of Cable: High Temperature FEP Cable

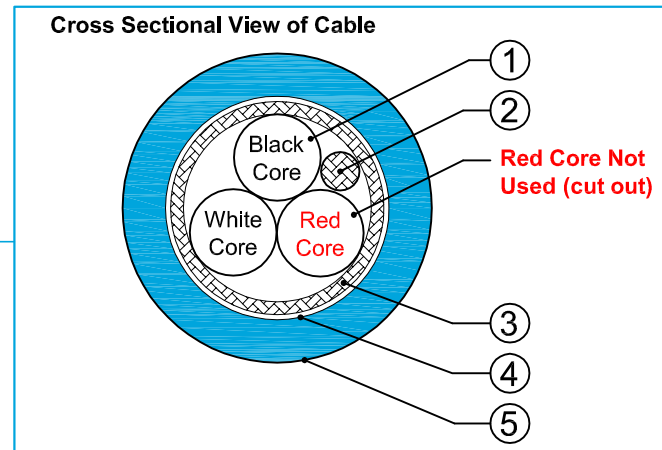
Pos	Description	Dimension	Overall Diameter	Remarks
1.	Tin plated copper conductor insulation of FEP	20 AWG	Copper 0.96 Insulation 1.47	19 x 0.2
2.	Filler HT		0,6	
3.	Tin plated copper drain wire	0,10mm	2,8	Optimised: 85% min
4.	Braided screen of tin plated copper wire		3.1	
5.	Jacket of FEP, blue	Thickness 0.3mm	4.0	

Technical Data of Cable

Technical Data	Values at 20°C	Unit
Conductor Resistance	32.4	Ω / km
Insulation Resistance	>1500	MΩ x km
Capacitance	Nom: 89	pF/m
Test Voltage	3	KV DC
Voltage Rating	600	V AC
Capacitance	Core-core: 88	nF / km
	Core-screen: 158	
Weight	40	g / m
Temperature Rating	-80 / +200	°C



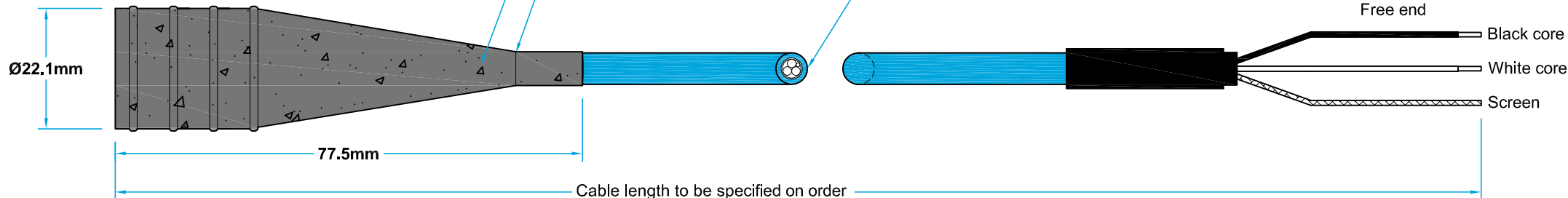
Note: Screen is connected to Accelerometer case via the locking key when the cable is connected.



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

2 Pin MS Connector inside Protective Rubber Boot.

Connector sealed to IP68 only when connected to the accelerometer.

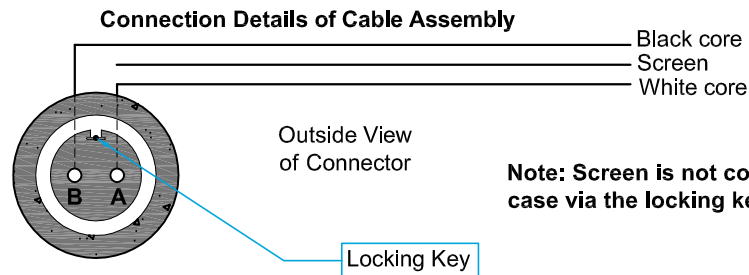


Materials of Cable: C01-018 Silicon Cable

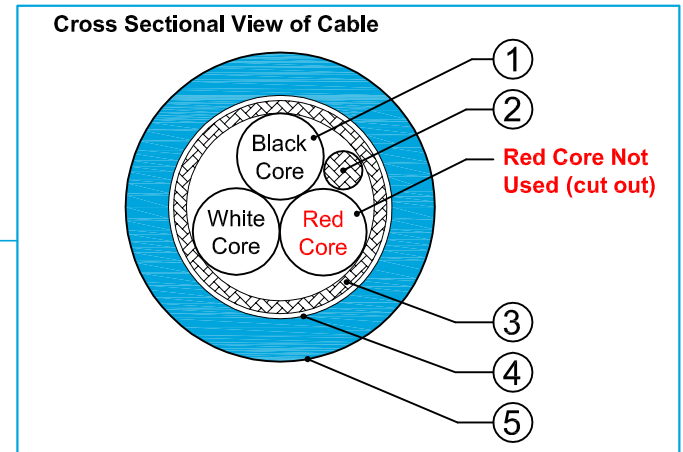
Pos	Description	Dimension	Overall Diameter	Remarks
1.	Tin plated copper conductor insulation of ETFE	20 AWG 0,17	0,96 1,30	19 x 0,20 (0,6sqmm)
2.	Screen wire of tin plated copper	24 AWG	0,60	19 x 0,13 (0,24sqmm)
3.	Braided screen of tin plated copper	16 x 7x 0, 10 Lay = 23,4 Angle = 22,1	3,25	Coverage: 85% min
4.	Non woven polyester binder		3,4	
5.	Jacket of Silicon, blue pressure-extruded round	0,90	5,2 nom	

Technical Data of Cable

Technical Data	Values at 20°C	Unit
Conductor resistance	Max: 32,4	Ω / km
Insulation resistance	>1500	MΩ x km
Test voltage	3	KV DC
Voltage rating	600	V AC
Capacitance	Core-core: 178 ± 18	nF / km
	Core-screen: 335 ± 33	
Impedance	Core-core: 28,6 ± 28	Ω
	Core-screen: 15,3 ± 2	
Weight	46	g / m
Temperature rating	-50 / +150	°C



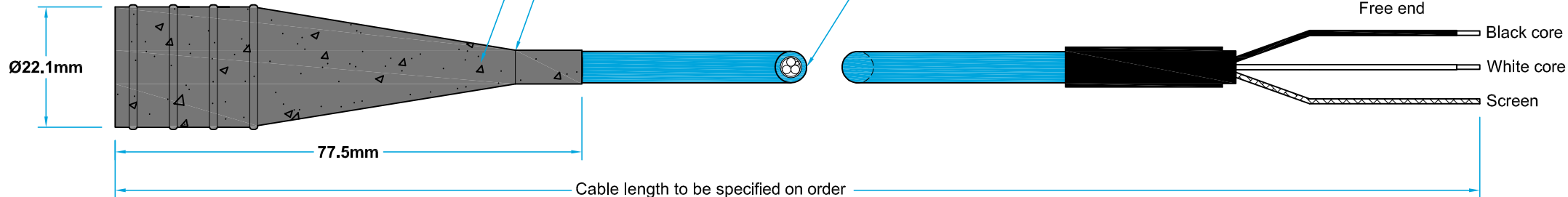
Note: Screen is not connected to Accelerometer case via the locking key when the cable is connected.



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

2 Pin MS Connector inside Protective Rubber Boot.

Connector sealed to IP68 only when connected to the accelerometer.

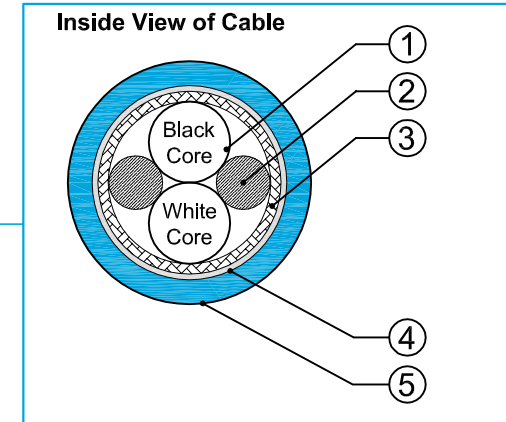
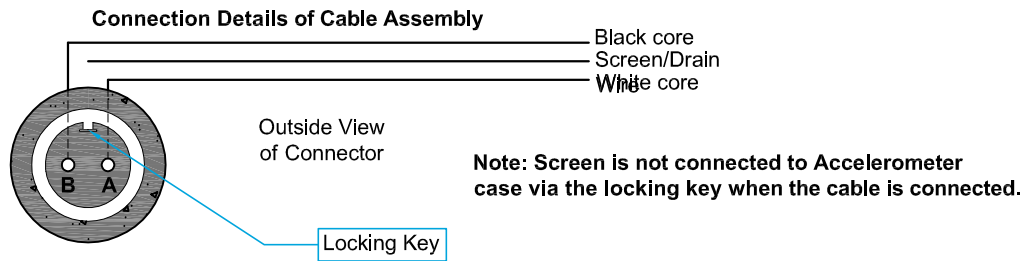


Materials of Cable: C01-018 Silicon Cable

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 (0,6sqmm)
2.	Screen wire of tin plated copper	24 AWG	0,60	19 x 0,13 (0,24sqmm)
3.	Braided screen of tin plated copper	16 x 7x 0, 10 Lay = 23,4 Angle = 22,1	3,25	Coverage: 85% min
4.	Non woven polyester binder		3,4	
5.	Jacket of Silicon, blue pressure-extruded round	0,90	5,2 nom	

Technical Data of Cable

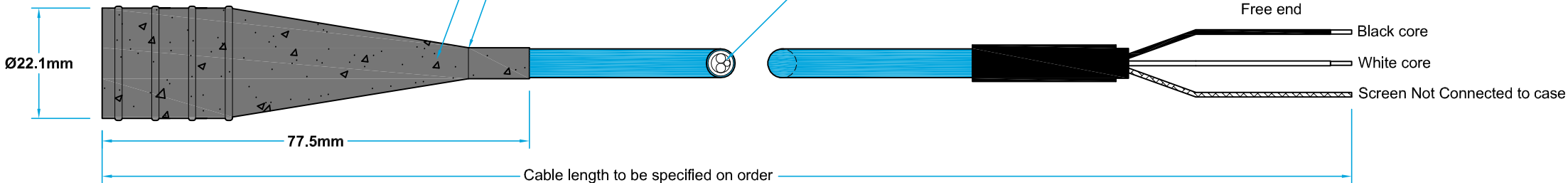
Technical Data	Values at 20°C	Unit
Conductor resistance	Max: 32,4	Ω / km
Insulation resistance	>1500	MΩ x km
Test voltage	3	KV DC
Voltage rating	600	V AC
Capacitance	Core-core: 178 ± 18	nF / km
	Core-screen: 335 ± 33	
Impedance	Core-core: 28,6 ± 28	Ω
	Core-screen: 15,3 ± 2	
Weight	46	g / m
Temperature rating	-50 / +150	°C



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

2 Pin MS Connector inside Protective Rubber Boot.

Connector sealed to IP66 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	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