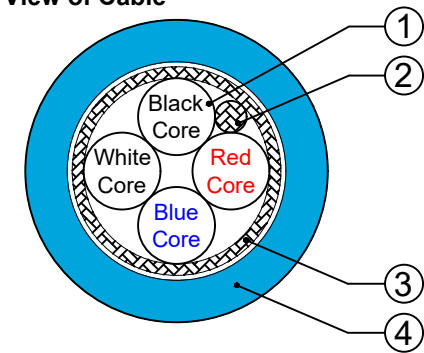
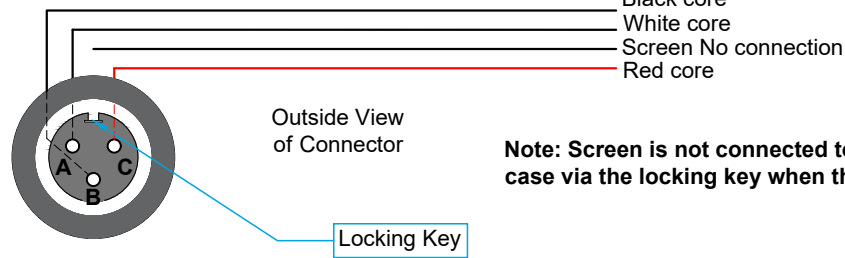


Inside View of Cable



Connection Details of Cable Assembly



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.

3 Pin MS Connector inside Protective Rubber Boot.

Connector sealed to IP68 only when connected to the accelerometer.

Free end

Black core
White core
Red core
Screen

Ø22.1mm

77.5mm

Cable length to be specified on order

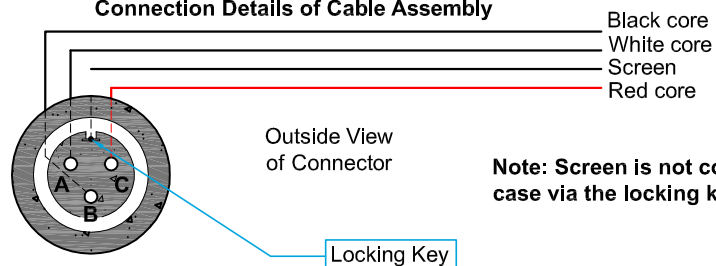
Materials of Cable: C01-001 PUR cable

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 (0,34mm ²)
2.	Screen wire of tin plated copper	26 AWG	0,48	19 x 0,10 (0,16mm ²)
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

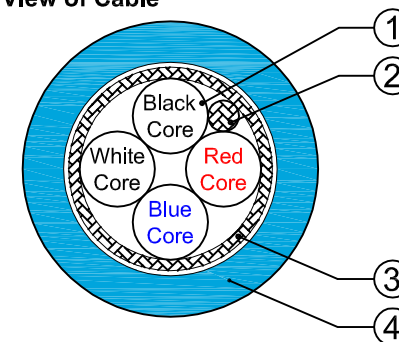
Technical Data	Values at 20°C	Unit
Conductor resistance	Max: 53,1	Ω / km
Insulation resistance	>1500	MΩ x km
Test voltage	3	KV DC
Voltage rating	600	V AC
Capacitance	Core- opposite core: 139	nF / km
	Core- adjacent core: 145	
	Core-screen: 240	
Impedance	Core- opposite core: 48	Ω
	Core- adjacent core: 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.

Connection Details of Cable Assembly



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

Inside View of Cable

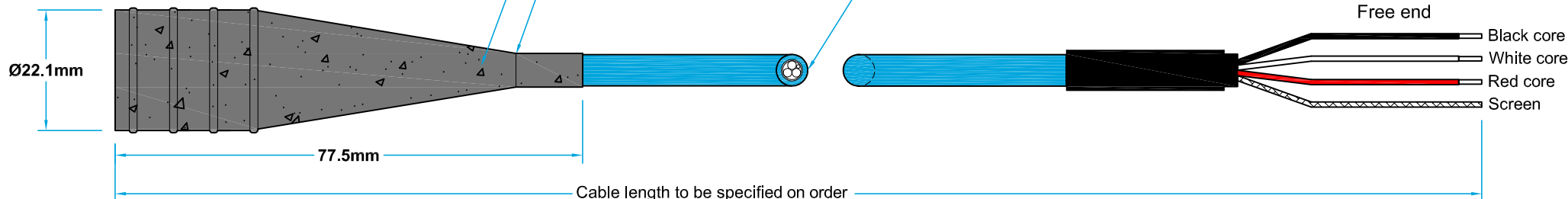


Environment Specification of Cable Assembly

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

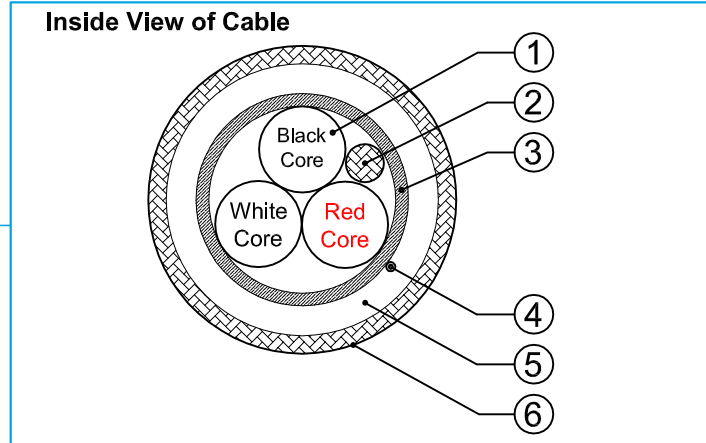
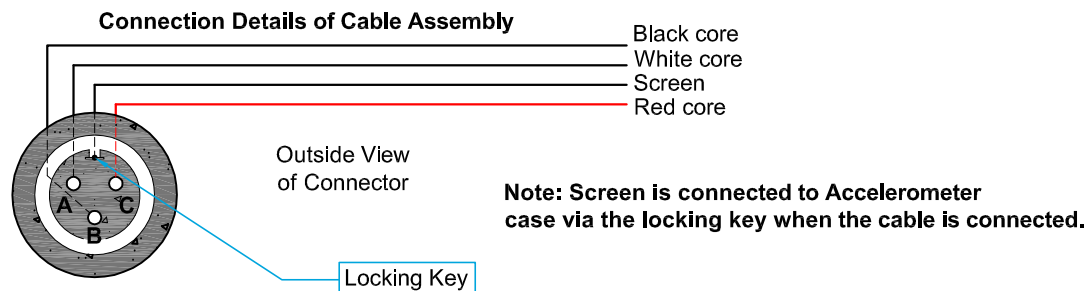
3 Pin MS Connector inside Protective Rubber Boot.

Connector sealed to IP68 only when connected to the accelerometer.



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 (0,34mm ²)
2.	Screen wire of tin plated copper	26 AWG	0,48	19 x 0,10 (0,16mm ²)
3.	Wrapped aluminium polyester foil screen		3,0	
4.	Jacket of TPU 90 M, blue pressure-extruded round	1,15	5,3 ± 0,2	

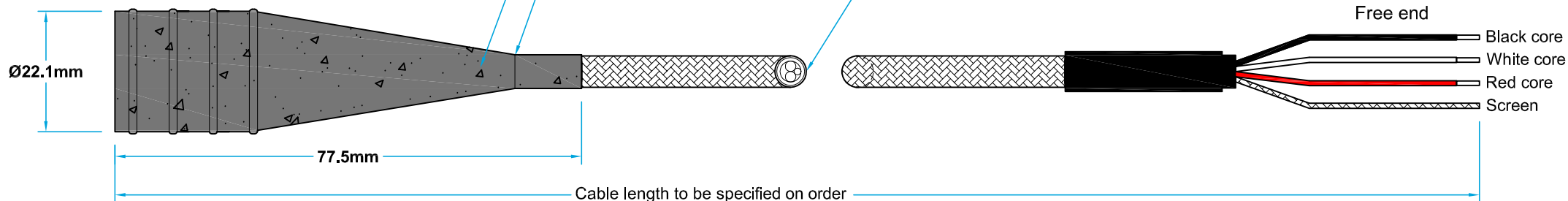
Technical Data of Cable		
Technical Data	Values at 20°C	Unit
Conductor resistance	Max: 53,1	Ω / km
Insulation resistance	>1500	MΩ x km
Test voltage	3	KV DC
Voltage rating	600	V AC
Capacitance	Core- opposite core: 139	nF / km
	Core- adjacent core: 145	
	Core-screen: 240	
Impedance	Core- opposite core: 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.

3 Pin MS Connector inside Protective Rubber Boot.

Connector sealed to IP66 only when connected to the accelerometer.

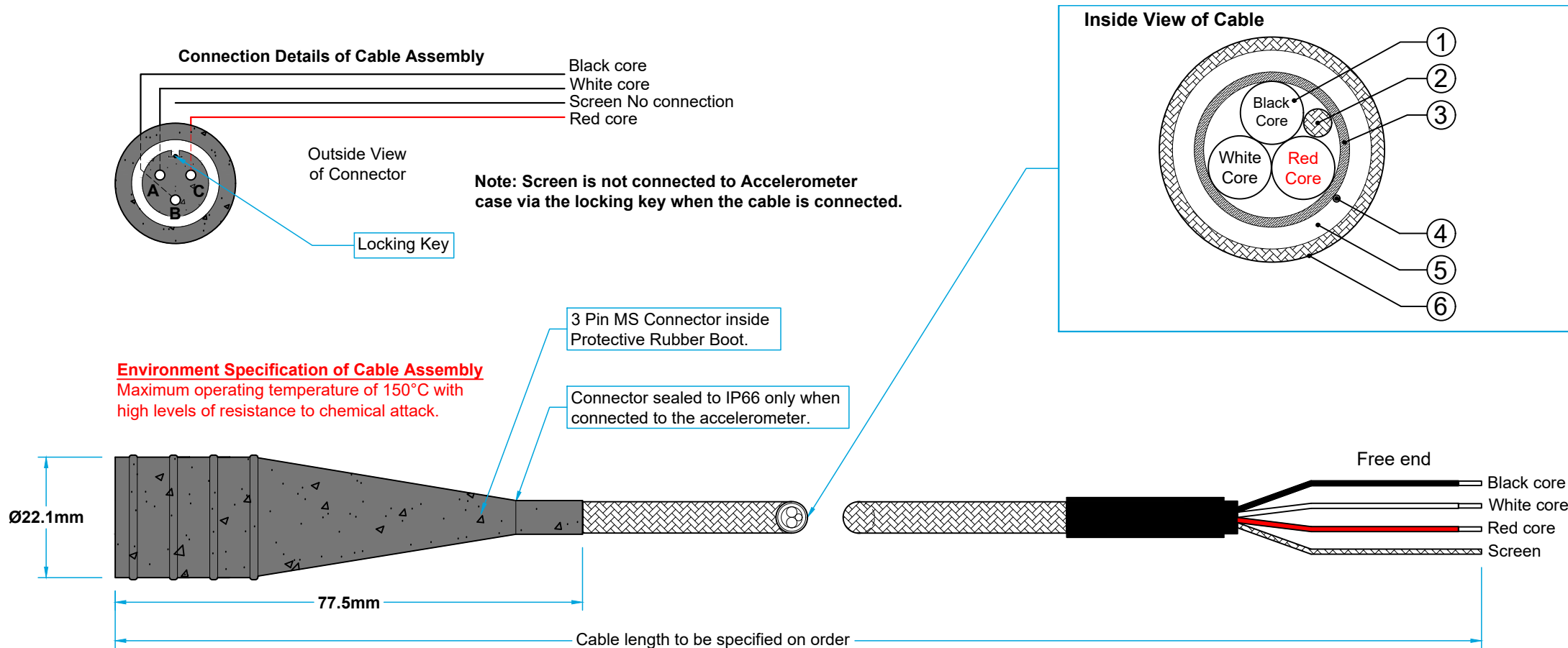


Materials of Cable: C01-003 Overbraided ETFE cable

Pos	Description	Dimension	Overall Diameter	Remarks
1.	Cores, tin plated copper. Insulation, extruded FEP	22 AWG		19/0.16
2.	Screen wire, tin plated copper	24 AWG		19/0.13
3.	Inner shield, aluminium mylar/foil (foil inwards)			Coverage: 100%
4.	Rip cord, kelver		3,4	
5.	Jacket, extruded white FEP	Thickness 0.381		
6.	Outer braid, stainless steel 304		4.2/4.4	Min coverage: 90%

Technical Data of Cable

Technical Data	Values at 20°C	Unit
Conductor resistance	53.1	Ω / km
Insulation resistance	>5000	MΩ x Km
Test voltage	3,4	KV DC
Voltage rating	600	V AC
Inductance	0.29	μH/m
Capacitance	Core-core: 82	nF / km
	Core-screen: 147	
Impedance	Core-core: 60	Ω
	Core-screen: 33	
Weight	40	g / m
Temperature rating	-65 / +180	°C

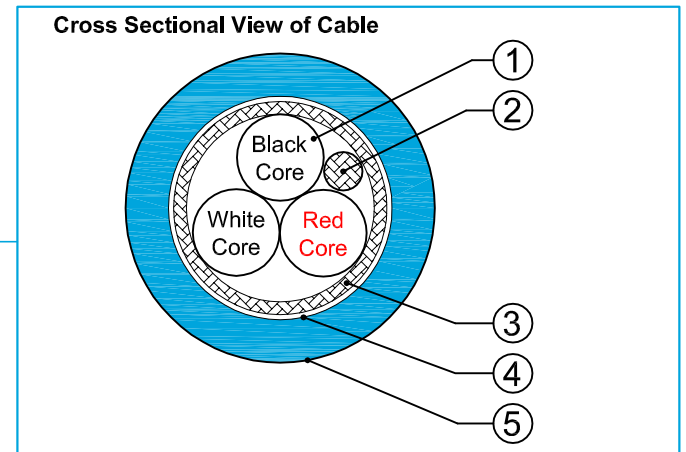
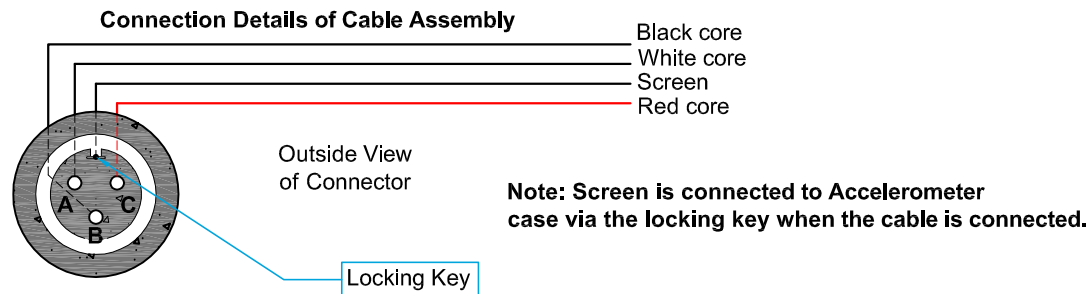


Materials of Cable: C01-003 Overbraided ETFE cable

Pos	Description	Dimension	Overall Diameter	Remarks
1.	Cores, tin plated copper. Insulation, extruded FEP	22 AWG		19/0.16
2.	Screen wire, tin plated copper	24 AWG		19/0.13
3.	Inner shield, aluminium mylar/foil (foil inwards)			Coverage: 100%
4.	Rip cord, kelver		3,4	
5.	Jacket, extruded white FEP	Thickness 0.381		
6.	Outer braid, stainless steel 304		4.2/4.4	Min coverage: 90%

Technical Data of Cable

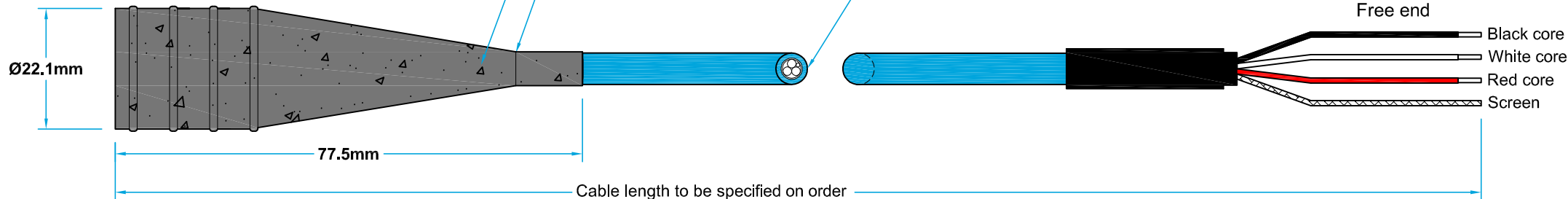
Technical Data	Values at 20°C	Unit
Conductor resistance	53.1	Ω / km
Insulation resistance	>5000	MΩ x Km
Test voltage	3,4	KV DC
Voltage rating	600	V AC
Inductance	0.29	μH/m
Capacitance	Core-core: 82	nF / km
	Core-screen: 147	
Impedance	Core-core: 60	Ω
	Core-screen: 33	
Weight	40	g / m
Temperature rating	-65 / +180	°C



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

3 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