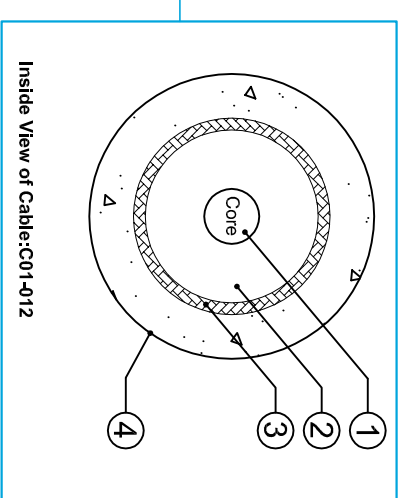
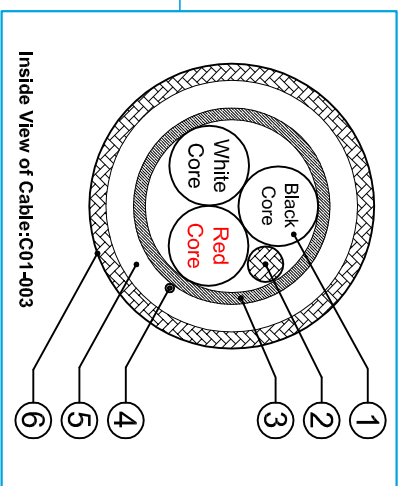
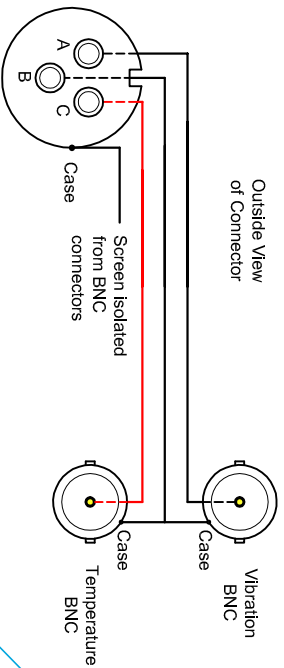
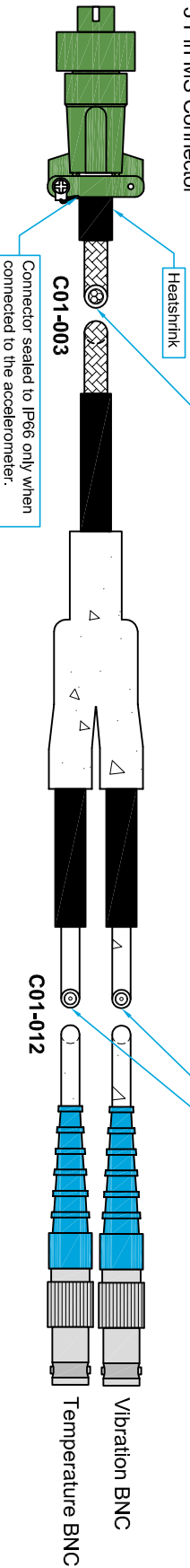


## Connection Details of Cable Assembly



### 3 Pin MS Connector



#### 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 mylarfoil (foil inwards)			Coverage: 100%
4.	Rip cord, kevlar		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: C01-003 Overbraided ETFE 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: C01-012 RG58/U Black Coax cable

Pos	Description	Dimension	Overall Diameter	Remarks
1.	Core, copper strand tinned.	21/19 AWG	0.9mm (nominal)	19/0.13
2.	Core insulation, polyethylene		2.95mm (nominal)	
3.	Braiding, copper strand tinned wire	AWG 36	3.5mm (nominal)	Optical cover: 95%
4.	Jacket, polyvinylchloride (PVC)		4.95 (nominal)	

Technical Data of Cable: C01-012 RG58/U Black Coax cable		
Technical Data	Values	Unit
Conductor resistance at 20°C	40.7	Ω / km
Propagation time	approx 66%	(5.1 ns/m)
Capacitance	max 105 pF/m at 1 KHz	pF/m
Impedance	50±2	Ω
Conductor weight	40	Kg / km
Temperature - Operating	-10 to +80	°C
Temperature - Stationary	-40 to +80	°C