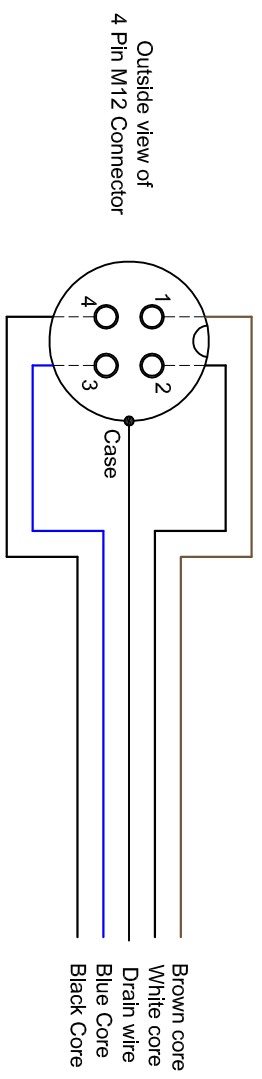
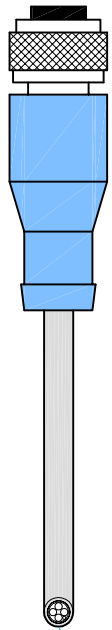


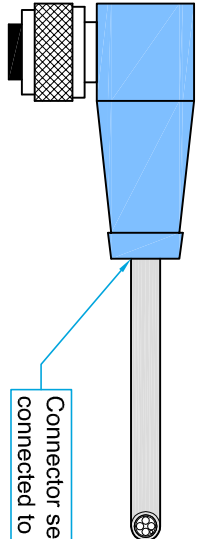
Connection Details of Cable Assembly



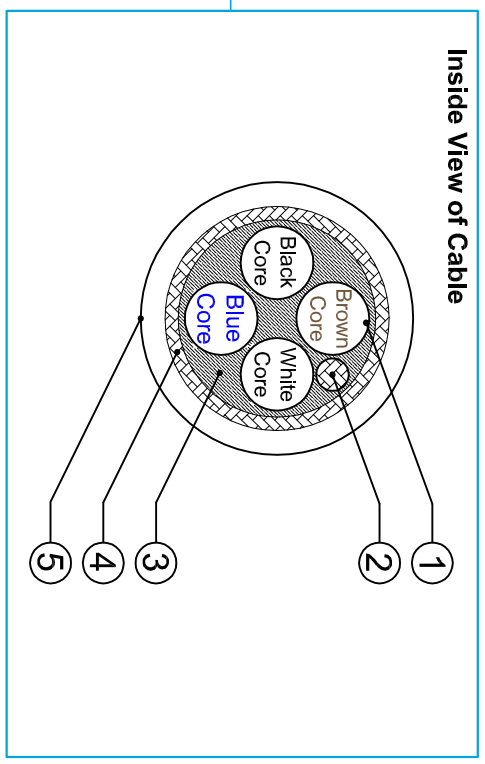
HS-AC010
M12 4 pole
straight connector



HS-AC011
M12 4 pole right
angle connector



Connector sealed to IP66 only when
connected to the accelerometer.



Free end

Brown core
White core
Drain wire
Blue core
Black core

Free end core details
White & black cores used for
HS-100, HS-102, HS-120, HS-420 series.
Brown, white & black used for
HS-100T, HS-421 & HS-423 series.
Brown, white, blue & black core used for
HS-420T & HS-422T series.

Materials of Cable			
Pos	Description	Dimension	Overall Diameter
Cable description: LIF9YHC11YH 4 x 0.34mm2 with drain wire qualified for drag chains acc. to UL/CSA 20233			
1.	Conductor, bare soft copper wire	Bending radius	min. 10 x outer-Ø
2.	Drain wire, tinned copper		min. 5 x outer-Ø
3.	Stranding, 4 cores surrounding a woollen inner core		0.10mm
4.	Screen, tinned copper		0.20mm
5.	Outer sheath, Polyether-Polyurethane PUR11Y Flame retardant acc. to VDE 0472, Part 804/B Oil resistant acc. to VDE 0472, Part 803 Halogen free, free of silicone, seawater-resistant		acc. to VDE 0295, cl 6
			Length of lay approx 43mm drain wire
			Coverage: 84% min
			Grey similar to RAL7040

Technical Data of Cable		
Technical Data	Values at 20°C	Unit
Resistance	≤57	Ω / km
Test voltage	2	KV
Normal voltage	300	V
Inductance	0.7	µH/m
Capacitance	Parallel wires: 66.7	pF/m
	Nonparallel wires: 63.1	
Temperature range	Wire/screen: 120.0	Moving
	-40°C bis + 80°C	
	-50°C bis + 80°C	Fixed installation

Rev No	DRF No	Date Drg	Drg By	Appd By	Material: N/A
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A	Release	04.09.09	MAB	SRB	Tolerances Unless Stated
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					0 or 0.0 ±0.5
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					±0.15
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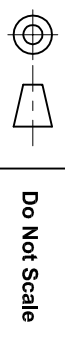
					16/ Finish All Over
--	--	--	--	--	---------------------

					Threads g6 H6
--	--	--	--	--	---------------

					Angle ±5°
--	--	--	--	--	-----------



Hansford Sensors Ltd
Saunderton Business Park
Haw Lane
Saunderton
Bucks HP14 4JE



Do Not Scale

All Dimensions in mm Unless
Otherwise Stated

If In Doubt - Ask!

Description: HS-AC010 & HS-AC011
Data sheet

Drawing No: HS-AC010 & HS-AC011
Data sheet

Scale: 1 : 1
Sheet: 1 of 1

Form Number:
QF024 Issue 1