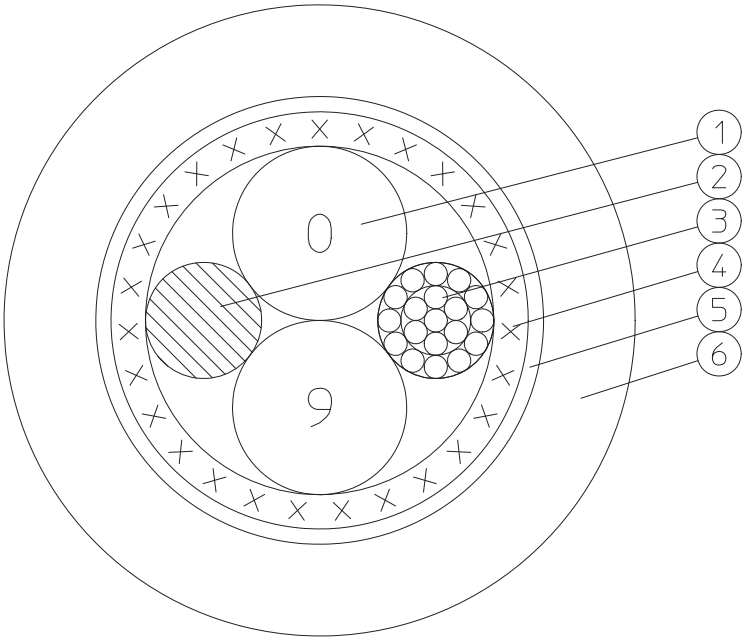
Hansford Sensors
Excellence in Vibration Monitoring

C01-024 2 Core Braided Screened & Drain Wire Cable



Dimensions in mm
unless otherwise stated

Dimensions ±4%
unless otherwise stated

Electrical values ±10%
unless otherwise stated

RoHS Compliant

Colour code	
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8	Grey
9	White
29	Pink
5/4	Green/Yellow

HS-Revision	01
Date	2016-07-14

	Description	Dimension	Overall Diameter	Remarks
1	Tin plated copper conductor Fluoropolymer insulation (ZN 2419)	24 AWG t = 0.27	0.60 1.14	19 x 0.13
2	Solid filler		0.60	
3	Drain wire of tin plated copper	24 AWG	0.60	19 x 0.13
4	Braided screen of tin plated copper wire	16 x 7 x 0.10	2.80	minimum coverage: 90% lay length: 21.8 angle: 20°
5	Wrapped non woven polyester binder		3.00	
6	Jacket of flame retardant PUR, Blue	t = 0.60	4.20 min: 4.00 max: 4.40	jacket colour should approximate RAL 5019 pressure-extruded smooth and round

Electrical Properties		
Technical data	**Values at 20°C**	**Unit**
Conductor resistance	92	Ohms / km max
Insulation resistance	>1500	M Ohms / km
Test voltage	3	kV DC
Voltage rating	600 / 1000	V AC
Capacitance	Core - core: 88 Core - screen: 158	pF / m
Impedance	Core - core: 56 Core - screen: 31	Ohms
Inductance	0.715	µH / m

Physical Properties				
Summary		**Cores**	**Jacket**	**Finished Cable**
Flame retardant		IEC 60332-3-24	IEC 60332-1	IEC 60332-1
Fluids	Acid resistance	Excellent	Good	Good
	Base resistance	Excellent	Fair	Fair
	Fuel resistance	Excellent	Good	Good
	Oil resistance	Excellent	Excellent	Excellent
	Water resistance	Excellent	Excellent	Excellent
Halogen free		-	IEC 60754-2	-
Low smoke		IEC 61034-2	-	-
Radiation tolerance		2x 10^5 Gy	10^6 Gy	2x 10^5 Gy
Weight		N/A	N/A	28 g/m
Temperature		-65°C 20,000 hrs: +150°C 3,000 hrs: +170°C	-40°C 20,000 hrs: +90°C 3,000 hrs: +100°C	-40°C 20,000 hrs: +90°C 3,000 hrs: +100°C

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