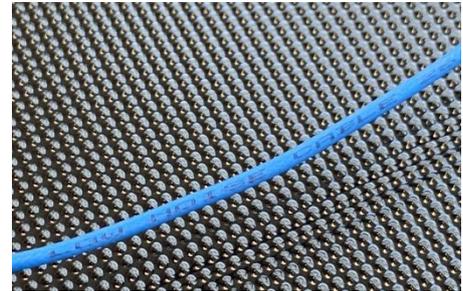
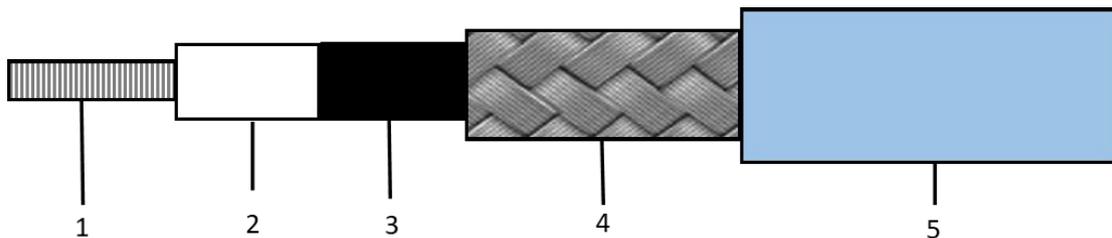


- Low triboelectric noise cable
- Screened coaxial cable
- PFA Jacket
- -90°C to +260°C range
- Ideal for Charge output sensors
- Blue jacket colour with Low Noise labelling
- Nominal diameter 2mm
- Multi strand core



When using charge output sensors such as accelerometers or other connections that require the transmission of a charge signal, it is essential that a low noise (triboelectric noise) cable is used. This is due to the issue of static electrical charge being generated when standard coaxial cables are flexed or moved, the layers within the cable rub together generating static electricity. This static electrical charge can be added to the transmitted charge signal causing an error in the signal otherwise known as triboelectric noise.

Kemo's low noise coaxial screened cable has a semi-conductive layer that allows the static electrical charge to dissipate along its length to reduce the error caused by cable flex/movement.



Layer	Description	Material	Overall diameter
1	Central conductor – multi strand	Silver plated high strength copper 30AWG (7/0.1±0.003mm)	Nom.Ø0.30mm
2	Dielectric/Insulation	PTFE, Natural	Ø0.84mm ±0.03mm
3	Low noise semi conductive coating		Ø1.2mm ±0.05mm
4	Screen/Outer conductor	Silver Plated Copper Braid 96% coverage	Ø1.6mm ±0.05mm
5	Outer jacket	Extruded PFA	Ø2mm ±0.2mm

Electrical Properties	Value
Impedance	50 ±2Ω
Max. Capacitance	105nF/km
Max. Conductor Resistance	355Ω/km
Min. Insulation Resistance	>5000 MΩ/km
Voltage rating	500VAC
Test voltage	3kV DC
Max. Attenuation	108dB/100m
Temp rating	-90°C to +260°C
Min Bending radius	Fixed: 10mm
Min Bending radius	Flexing: 20mm
Operating Frequency	DC to 500MHz
Noise	≤1.8pC

Due to continued product development Kemo Limited reserve the right to change specification without notice.

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