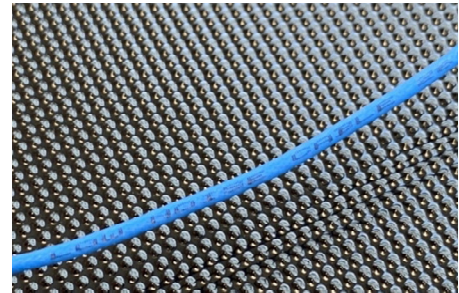
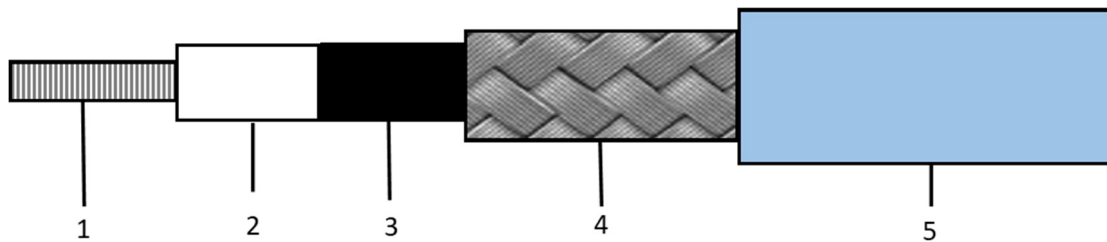


- Low triboelectric noise cable
- Screened coaxial cable
- PFA Jacket
- -90°C to +260°C range
- Ideal for Charge output sensors
- Blue jacket colour with Low Noise labelling
- Nominal diameter 2mm
- Multi strand core



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 Ltd'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.