

- 3 x Low triboelectric noise cable
- Sleeved for piezoelectric triaxial accelerometers
- Min 96% Screened coaxial cable
- PFA Jacket -90°C to +260°C range
- Blue jacket colour with Low Noise labelling
- PET flexible cable sleeve -50°C to +160°C range
- Black colour sleeving
- 3 x 10/32UNF Microdot to 3x10/32UNF Microdot
- Labelled X, Y, Z and colour coded
- Length 30m±5%

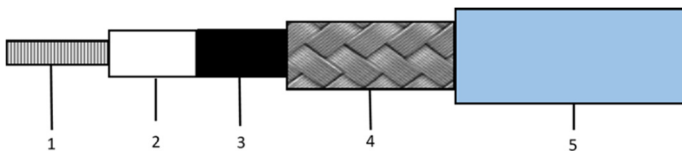
Kemo Ltd has been making high quality signal conditioning equipment since 1965 and during this time we have worked with many of the World's largest companies and witnessed many examples of poor quality instrumentation cables. To resolve this problem Kemo started to produce its own specialist cable assemblies for the sensor and instrumentation market.

The low noise cables we produce are assembled by Kemo using the highest quality cable and connectors that meet our exacting standards.

This triaxial low noise cable assembly is designed for use with piezoelectric triaxial accelerometers featuring 3 x 10/32UNF microdot output connectors. The three low triboelectric noise cables are sleeved together for protection and ease of handling.

Sleeve/Cable joint is protected by rubber sleeving.

Each cable is colour coded and labelled for X, Y and Z axis.
 RED = X axis
 YELLOW = Y Axis
 WHITE = Z axis



10/32UNF microdot connector	
Physical	Value
Body	Nickel Plated Brass
Knurl nut	Nickel Plated Brass
Centre Conductor	Gold plated brass
Insulator	PEEK
Strain relief boot	Rubber
Temperature Range	-70°C to +260°C

Cable 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

Layer	Description	Material	Overall diameter
1	Central conductor – multi strand	Silver plated high strength copper 30AWG (7/0.102mm)	0.30mm
2	Dielectric/Insulation	PTFE	0.85mm ±0.05mm
3	Low noise semi conductive coating		
4	Screen/Outer conductor	Silver Plated Copper Braid 96% coverage	1.35mm
5	Outer jacket	Blue PFA	2mm nom.

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

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