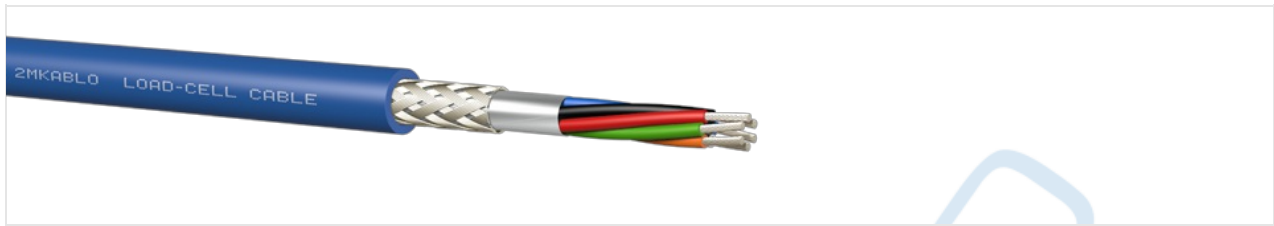


LOAD CELL Cables



Areas of Use

Used in electronic systems and electronic weighing devices in industrial applications. TPE outer sheathed versions are required to use where resistant to high mechanical stress, weather conditions, solvent, oil, and oil derivatives are needed.

Cable Construction

| | |
|---------------------|--|
| Conductor | Stranded Tinned Copper (IEC/EN 60228, Class 6) |
| Insulation | PVC (EN 50290-2-21, T152) |
| Core Colors | White, Black, Red, Blue, Green, Grey |
| Lay-up | Cores are stranded in layers |
| 1. Screen | Al-PET Foil |
| 2. Screen | Tinned Copper Wire Braid (80% Coverage) |
| Outer Sheath | PVC (EN 50290-2-22, TM51), RAL 5015 - Blue |

Technical Properties

| | |
|------------------------------------|--|
| Operating Voltage | 300 V |
| Test Voltage | 1000 V |
| Capacitance (@800Hz) | Core - Core: ≤ 100 nF/km, Core - Cores - Screen: ≤ 190 nF/km |
| Temperature Range | Fixed: -30 °C $+70$ °C, Flexible: -5 °C $+70$ °C |
| Flame Retardancy | IEC/EN 60332-1 |
| Min. Bending Radius (Fixed) | 8 x Cable Diameter |
| Insulation Resistance | >100 M. Ω xkm |

Cross Section

| Configuration / Cross-Section (mm/mm ²) | Cable Diameter (mm) ($\pm 5\%$) | Copper Weight (kg / km) | ~ Cable Weight (kg / km) |
|--|-----------------------------------|-------------------------|--------------------------|
| 4x0.34 | 6.0 | 22 | 55 |
| 6x0.34 | 7.4 | 36 | 73 |

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