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, TI52)
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
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.Ωxkm

Cross Section

Configuration / Cross-Section (mm/mm²)	Cable Diameter (mm) (± 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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