

6-CORE SPECIAL LOAD CELL CONNECTION CABLE



This specialist polyurethane 6-core cable is an ideal solution for connecting a junction box to a load cell amplifier/indicator/transmitter.

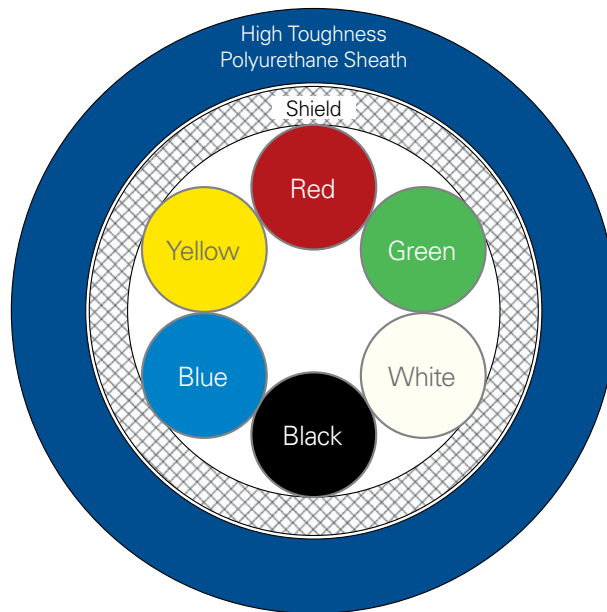
It provides premium protection of the sensitive internal cores and provides optimum conditions for signal transmission. As well as being extremely tough, the halogen free polyurethane outer sheath has a high resistance to cuts, chemical attack, ultraviolet light, temperature changes and rodents.

This 6-core version allows for sense connections, which are perfect for applications involving long cable runs, wide temperature ranges or significant electrical noise. A 4-core version of the same cable is also available.

- Tinned copper conductors, 7/0.2mm
- Halogen free polyurethane outer sheath
- 6-core (including sense wires) plus shield
- Service temperature -30°C to +90°C
- Conductor cross-section 0.22mm²
- Cross-linked polyethylene (XLPE) insulation

CABLE CA-PU-5.7MM-6C

technical specification...



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Construction materials and colour coding	
Conductors	Tinned copper wire, 7/0.2mm, section 0.22mm ²
Insulation	XLPE cross-linked polyethylene, nominal thickness 0.3mm, nominal diameter 1.2mm. Colour codes and RAL numbers: <ul style="list-style-type: none"> • RED: +ve input to load cell (RAL 3000) • BLUE: -ve input to load cell (RAL 5015) • GREEN: +ve output from load cell (RAL 6018) • YELLOW: -ve output from load cell (RAL 1021) • BLACK: +ve sense (RAL 9005) • WHITE: -ve sense (RAL 9010)
Wiring arrangement	6 conductors in concentric rings, with shield (polyester tape; aluminium 23/9 µm). Minimum overlap 20%.
Sheath	Halogen free polyurethane, nominal diameter 6.3mm, BLUE RAL 5010

Operating characteristics	
Service temperature range	-30°C to +90°C
Conductor resistance (max.) at 20°C	89.9 Ω/km
Cable weight	44.6 kg/km
Insulation resistance (min.) at 20°C	5000 MΩ·km
Nominal capacitance	115 pF/m
Nominal inductance	0.8 mH/km

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