

Floodline Ranger® Leader Cable

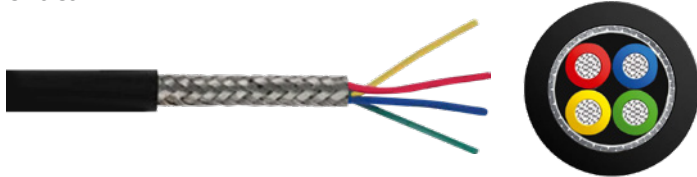
4-core leader cable for Ranger®
distance measuring sensor cable



Defence-standard, durable, 4-core cable for signal transmission between Andel Floodline Ranger® sensor cable and control equipment

This high-reliability, defence-standard, multicore cable provides robust signal transmission between Andel's Floodline Ranger® 2 distance measuring sensor cable and the Floodline Ranger® 2 control panel. Designed to meet UK Defence Standard 61-12 Part 5, it offers exceptional performance and durability in demanding environments.

This leader cable is ideal for industrial monitoring and sensing systems where accuracy and resilience are critical.



A defence-grade, multicore flexible cable providing reliable, noise-resistant connections for precision instrumentation. Its robust construction and proven performance make it ideally suited for leader cable for Andel's Ranger® 2 distance measurement sensor cables.



Benefits at a glance:

- Defence-grade reliability – built to rigorous Defence Standard 61-12 Part 5 for proven performance in demanding environments
- Exceptional signal integrity – braided tinned copper screening minimises electrical noise and interference
- Durable and flexible – withstands vibration, temperature extremes and mechanical stress
- Consistent accuracy – stable, low-resistance connections for precise readings
- Corrosion-resistant design – tinned copper conductors maintain conductivity in humid or exposed settings
- Easy integration – compact, flexible construction simplifies installation

TECHNICAL INFORMATION

COMPLIANCE: Defence Standard 61-12 Part 5

NUMBER OF CORES: 4

DIMENSIONS:

- Nominal thickness of sheath: 0.85mm
- Nominal overall diameter: 6.3mm

WEIGHT: Nominal weight 49.49kg/km

KEY CHARACTERISTICS:

- Voltage Rating: 440V r.m.s. (up to 1.6kHz)
- Conductor Resistance (20°C): 40.1 Ω/km (16/0.2mm)
- Current Capacity: 2.5A
- Temperature Range: Fixed: -30°C to +70°C, Flexed: -15°C to +70°C

MINIMUM BENDING RADIUS: Fixed: 7.5 × overall diameter

CONSTRUCTION:

- Conductor: Class 5 flexible tinned copper (0.5mm², 16/0.2mm)
- Insulation: PVC (Polyvinyl Chloride)
- Screen: TCWB (tinned copper wire braid) for enhanced signal integrity and EMI protection
- Sheath: PVC (Polyvinyl Chloride)
- Sheath Colour: Black

LENGTHS AVAILABLE: 5m, 10m, 20m

For more information:

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