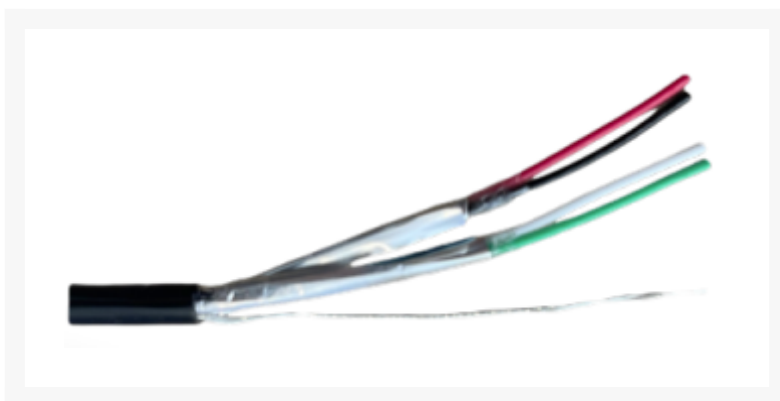




2 Pair 7/0.25mm² Individual Screened Gel Filled Data Cable | 300m Black

SKU: 007.003.0061

Product Images



Description

Protect your critical data signals with the Radium 2 Pair 7/0.25 Individually Screened Data Cable. Designed for robust, reliable performance, this cable features two individually shielded pairs of tinned copper conductors, housed in a durable, black polyethylene (PE) jacket. The gel-filled construction is a key feature, making it highly resistant to moisture and water ingress, which is essential for underground or outdoor installations where environmental protection is paramount.

Each pair within the cable is expertly constructed to maximise signal integrity. The conductors are comprised of seven strands of 0.25mm tinned copper, forming a flexible and effective 22AWG size. Signal pairs are twisted and cabled on a common axis to achieve a narrow 5.63mm outer diameter, making it easy to handle and install while maintaining excellent electrical characteristics. An individual Aluminium Polyester Laminate Tape shield around each pair, combined with a 7/0.25mm tinned copper drain wire, provides superior protection against electromagnetic interference (EMI).

Engineered for professional data transmission, this cable boasts an impedance of 45 Ohm and a high insulation resistance of 100 mega ohms between shields. It is rated for a working voltage of 50 Volts and features 75°C Polypropylene insulation, ensuring safe and consistent operation in demanding environments. The rugged black PE jacket is designed for longevity and resilience, with white printing repeated every 0.05m for easy identification and measurement.

Available in both 300m and 500m drum lengths, this jelly-filled data cable is the reliable choice for security, industrial, and underground data applications where quality and environmental resistance cannot be compromised. Choose Radium for a secure, long-lasting cabling solution.

FEATURES

- **2 Pair** construction with individually screened data pairs for superior noise immunity.
- **Twisted Pairs** Enhance noise cancellation.
- **Gel-filled (jelly-filled)** design for exceptional moisture and water-blocking properties, ideal for underground or wet environments.
- **22AWG** stranded tinned copper conductors (7 x 0.25mm) for flexibility and excellent conductivity.
- **Individual Aluminium Polyester Laminate Tape** shield around each pair for maximum data signal protection.
- Durable **Polyethylene (PE) jacket** in black for outdoor and demanding installations.
- **7/0.25mm Tinned Copper Drain Wire** for easy and effective grounding.

SPECIFICATIONS

- **Type:** 2 Pair Individually Screened Data Cable
- **Conductor:** Stranded 22AWG (7 x 0.25mm) Tinned Copper
- **Insulation:** 0.26mm 75°C Polypropylene
- **Pair 1 Colour:** Red & Black
- **Pair 2 Colour:** White & Green
- **Pair Shielding:** Individual Aluminium Polyester Laminate Tape
- **Drain Wire:** 7 x 0.25mm Tinned Copper
- **Jacket Material:** Polyethylene (PE)
- **Jacket Colour:** Black
- **Jacket Outer Diameter (O/D):** 5.63mm
- **Impedance:** 450hm
- **Insulation Resistance:** 100mega ohms between shields
- **Working Voltage:** 50Volts between adjacent shields

WARRANTY

1-Year Limited Warranty

