

RG59 B/U + 2x1.5mm² + 2x0.22mm² Duct Grade Black Technical Datasheet

Part No: 39005922D

Description: Coaxial Cable RG59 B/U + 2 x 1.5mm² + 2 x 0.22mm² Composite Cable in Black

Duct Grade



Construction

RG59 B/U

Conductor Material : Copper Clad Steel
Stranding : 1/0.58mm

Dielectric Material : Polyethylene (PE)
Diameter of Dielectric : 3.7mm ± 0.18mm

Overall Screen : Bare Copper Wire Braid, >85% Coverage

Sheath Material : Low Smoke Halogen Free

Sheath Colour : Black

Overall Diameter : 6.1mm ± 0.20mm

2 x 1.5mm² Power

Conductor Material : Bare Copper, Class 5

Conductor Stranding : 30/0.25mm

Insulation Material : Low Smoke Halogen Free (LSHF)

Sheath Colour : 1 x Black, 1 x Red

2 x 0.22mm² Data

Conductor Material : Bare Copper, Class 5 Conductor Stranding : 7/0.2mm (24awg)

Insulation Material : Low Smoke Halogen Free (LSHF)

Sheath Colour : 1 x Green, 1 x Yellow

Overall Construction

Inner Sheath Material : Low Smoke Halogen Free (LSHF)

Inner Sheath Colour : Black

Outer Sheath Material : Polyethylene (PE)

Outer Sheath Colour : Black

Electrical Characteristics

RG59 B/U

Nominal Impedance : $75 \Omega \pm 5$ Max. Conductor Resistance @ 20° c : $\leq 23.9 \Omega/100$ m
Mutual Capacitance : $67 \text{ pF/m} \pm 5$ Voltage Rating : 30 V

Attenuation

| Frequency (MHz) | Attenuation (dB/100m) |
|-----------------|-----------------------|
| 100 | 13.5 |
| 200 | 19.4 |
| 400 | 27.6 |
| 800 | 40.5 |
| 1000 | 45.8 |

FS Cables Ltd Export Sales 01727 840 841 +44 1727 849 841 sales@fscables.com sales@fscglobal.com www.fscables.com www.fscglobal.com Part Number: 39005922D Date: 09/04/2020

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2 x 1.5mm² Power

Max. Conductor Resistance @ 20° c : $\leq 13.3 \Omega/km$

2 x 0.22mm² Data

Max. Conductor Resistance @ 20° c : $\leq 95.6 \Omega/\text{km}$

Physical Characteristics

 $\begin{array}{lll} \text{Overall Diameter} & : 13.9 \pm 0.5 \text{mm} \\ \text{Bend Radius} & : 10 \times \text{OD} \\ \text{Temperature Rating} & : -10^{\circ}\text{C to } 70^{\circ}\text{C} \\ \text{Weight} & : 225 \text{ kg/km} \\ \end{array}$

Standards

RoHS3 Compliant : Yes

CE Compliant : LVD (2014/35/EU)

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