



RU400

Low loss, low noise solid copper conductor coaxial cable 50 Ohm coaxial cable


In-stock
Ready to
Ship
*Build to order
item

For those longer cable runs or the higher frequency range, this 50 Ohm RU400 cable will provide the low attenuation performance you require.

This is a high quality, solid copper core cable is equivalent to, and in some cases better than, all other 400 series coaxial cables available on the market today.

This coaxial cable is available in 100m or 300m roll, please consult ZCG for more information.



| Specifications | RU400 low loss, low noise | |
|---------------------------|---|--------------|
| Order code 100m roll | 7890-100 | |
| Order code 300m roll | 7890-300 | |
| Order code 500m roll | 7890-500* | |
| Centre conductor | Solid bare copper, 2.75mm | |
| Dielectric | Foamed polyethylene (PE), 7.24mm | |
| 1st outer conductor | Bonded polyester-aluminium tape 7.37mm | |
| 2nd outer conductor | Tinned copper braid, 97% coverage, 8.17mm | |
| Jacket | Black polyethylene (PE), 10.30mm outside diameter | |
| Mechanical specifications | | |
| Minimum bend radius | 72.1mm | |
| Weight | 14.6kg per 100 metres | |
| Operating temperature | -40°C to +85°C | |
| Electrical specifications | | |
| Impedance | 50 Ohms (± 3 Ohms) | |
| Frequency | DC~5.8GHz | |
| Nominal capacitance | 77 pF/m | |
| Velocity of propagation | 85% | |
| Echo loss | ≥ 20 dB | |
| DC resistance | Inner conductor | 3.06 Ohms/Km |
| | Outer conductor | 5.41 Ohms/Km |
| | Loop | 8.47 Ohms/Km |



Attenuation and power figures on following page.



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| Attenuation | Per 100 metres |
|-------------|----------------|
| 50MHz | 2.90dB |
| 150MHz | 4.90dB |
| 300MHz | 7.20dB |
| 450MHz | 8.90dB |
| 500MHz | 9.40dB |
| 960MHz | 13.3dB |
| 1500MHz | 16.8dB |
| 2000MHz | 20.0dB |
| 2500MHz | 22.3dB |
| 5800MHz | 35.7dB |

| Maximum power | |
|---------------|------------|
| 150MHz | 1000 Watts |
| 220MHz | 830 Watts |
| 450MHz | 550 Watts |
| 900MHz | 380 Watts |

Common Compatible connectors - other connectors available

