

Mechanical specifications

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| <input type="checkbox"/> | Type | : Coax PRG 7 Cu PE |
| <input type="checkbox"/> | Inner Conductor | : 1.2 ± 0.01 mm soft annealed copper |
| <input type="checkbox"/> | Dielectric | : Foam PE (gas injected) |
| <input type="checkbox"/> | Diameter over dielectric | : 5.40 ± 0.15 mm |
| <input type="checkbox"/> | Outer Conductor | : copper-foil + copper braiding |
| | Coverage | : 35 % |
| <input type="checkbox"/> | Diameter over screen | : 5.84 ± 0.15 mm |
| <input type="checkbox"/> | Sheath | : PE, Black |
| <input type="checkbox"/> | Marking | : BELDEN VENLO HOLLAND PRG 7 CU yyyy +
metermarking |
| <input type="checkbox"/> | Diameter over sheath | : 7.1 ± 0.15 mm |
| <input type="checkbox"/> | Minimum wall thickness | : 0.45 mm |
| <input type="checkbox"/> | Minimum setting radius | : 50 mm |
| <input type="checkbox"/> | Minimum temporary setting radius | : 30 mm |
| <input type="checkbox"/> | Adhesion of dielectric | : > 0.1 MPa and < 1.0 MPa |
| <input type="checkbox"/> | Total weight | : 45.0 g/m |
| <input type="checkbox"/> | Copper contents | : 29.0 g/m |

Electrical specifications

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| <input type="checkbox"/> | Characteristic impedance | : $75 \pm 3 \Omega$ |
| <input type="checkbox"/> | DC loop resistance | : $\leq 32.5 \Omega/\text{km}$ |
| | inner conductor | : $\leq 15.5 \Omega/\text{km}$ |
| | outer conductor | : $\leq 17.0 \Omega/\text{km}$ |
| <input type="checkbox"/> | Capacitance | : 53.5 ± 2 pF/m |
| <input type="checkbox"/> | Velocity ratio | : 0.83 |
| <input type="checkbox"/> | Nominal attenuation at | |
| | 10 Mhz | : 1.7 dB/100m |
| | 50 Mhz | : 3.6 dB/100m |
| | 100 Mhz | : 5.1 dB/100m |
| | 230 Mhz | : 7.8 dB/100m |
| | 300 Mhz | : 9.0 dB/100m |
| | 400 Mhz | : 10.4 dB/100m |
| | 470 Mhz | : 11.4 dB/100m |
| | 600 Mhz | : 13.0 dB/100m |
| | 860 Mhz | : 15.7 dB/100m |
| | 1000 Mhz | : 17.1 dB/100m |
| | 1350 Mhz | : 20.2 dB/100m |
| | 1750 Mhz | : 23.3 dB/100m |
| | 2050 Mhz | : 25.5 dB/100m |
| | 2150 Mhz | : 26.2 dB/100m |
| | 2400 Mhz | : 27.9 dB/100m |
| <input type="checkbox"/> | Return loss | |
| | 5 - 470 Mhz | : ≥ 23 dB* |
| | 470 - 862 Mhz | : ≥ 20 dB* |
| | 862 - 2150 Mhz | : ≥ 18 dB* |

* max 3 peak values up to 3 dB lower than specified.

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| <input type="checkbox"/> | Screening efficiency (A_s) | : 30 - 1000 Mhz ≥ 80 dB |
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Delivery information

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|--------------------------|-------------------------|---------------------------|
| | 49309.xxxx.240 | 500 m non returnable reel |
| | 49309.xxxx.172 | 100 m carton box |
| <input type="checkbox"/> | Other delivery length : | on request |