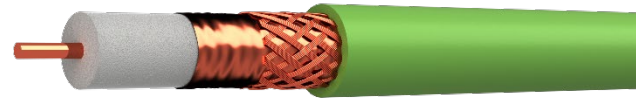


Technical Document  
 WF165 75ohm Coax  
 Underground Green CAI Approved



Part Number: 600010F-GRN

Description: WF165 75ohm Coax Underground  
 Green - CAI Approved



**Product Construction**

Conductor Material	:	Plain Annealed Copper
Conductor Stranding	:	Solid, 1/1.65mm
Dielectric Material	:	Foam Polyethylene (FPE)
Dielectric Diameter	:	7.28mm ± 0.15
Screening 1	:	Overall Plain Copper Foil
Screening 1 Coverage	:	> 100%
Screening 2	:	Plain Copper Wire Braid
Screening 2 Coverage	:	> 60% ± 3
Sheath Material	:	High Density Polyethylene (HDPE)
Sheath Colour	:	Green



**Mechanical Characteristics**

Overall Diameter	:	10.1mm ± 0.3mm
Temperature Range	Fixed	-15°C to +70°C
	Flexing	-5°C to +70°C
Bend Radius	:	10 x Overall Diameter
Weight	:	98 kg/km

**Electrical Characteristics**

Inner Conductor DC Resistance	:	≤ 10.5 Ω/km @ 20°C
Outer Conductor DC Resistance	:	≤ 12.0 Ω /km @ 20°C
Characteristic Impedance	:	75 Ω ± 3
Nominal Capacitance	:	54 pF/m ± 3
Velocity of Propagation	:	82%

**Attenuation @20°C**

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
5	≤ 1.0 dB	860	≤ 12.5 dB
50	≤ 3.0 dB	1000	≤ 13.5 dB
100	≤ 4.0 dB	1750	≤ 19.0 dB
200	≤ 6.0 dB	2150	≤ 22.0 dB
460	≤ 9.0 dB		

**Return Loss @ 20°C**

Frequency (MHz)	Return Loss
5MHz - 470MHz	≥ 23 dB
470MHz - 862MHz	≥ 20 dB
862MHz - 2150MHz	≥ 18 dB

**Certifications & Standards**

CAI Certification	:	CAI 0141E
Screening Class	:	BS EN 50117
RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Fca to BS EN 50575:2014+A1:2016



Publication Date: 04/07/2023  
 Revision Number: 2.0  
 Written by: GB  
 Authorised by: GB

**Webro Cables & Connectors Ltd**

Vision House, Meadow Brooks Business Park, Meadow Lane, Long Eaton, Nottingham NG10 2GD, UK  
 Tel: +44 (0)115 9724483 | Fax: +44 (0)115 9461230 | sales@webro.com | [www.webro.com](http://www.webro.com)

This technical document and its information and images are intended for guidance only. Due to technical improvements, manufacturing changes or commercial factors the product may vary, and we reserve the right without notice or liability to amend the product information.