

Technical Document
RG58 C/U 50ohm Coaxial Cable
PVC Black

webro

Part Number: 480003E-BLK

Description: RG58 C/U 50ohm Coaxial Cable PVC
Black



Product Construction

Conductor Material	:	Tinned Copper
Conductor Stranding	:	Stranded, 19/0.18mm
Dielectric Material	:	Solid Polyethylene (SPE)
Dielectric Diameter	:	2.95mm ± 0.10
Screening 1	:	Tinned Copper Wire Braid
Screening 1 Coverage	:	> 95% ± 3
Sheath Material	:	Polyvinyl Chloride (PVC)
Sheath Colour	:	Black



Mechanical Characteristics

Overall Diameter	:	4.95mm ± 0.15mm
Temperature Range	Fixed	-20°C to +70°C
Bend Radius	:	10 x Overall Diameter
Weight	:	40 kg/km

Electrical Characteristics

Inner Conductor DC Resistance	:	≤ 40.0 Ω/km @ 20°C
Outer Conductor DC Resistance	:	≤ 18.5 Ω/km @ 20°C
Impedance	:	50 Ω ± 2
Nominal Capacitance	:	100 pF/m ± 3
Velocity of Propagation	:	66%
Nominal Inductance	:	0.194 μH/m
Peak Power	:	16 k
Nominal Delay	:	5.05 ns/m
Maximum Operating Voltage	:	1.4 kV RMS

Attenuation @20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Return Loss
100	≤ 20.8 dB	650	≤ 43.5 dB	30MHz - 1000MHz	≥ 21 dB
200	≤ 23.1 dB	1000	≤ 58.5 dB	1000MHz - 2000MHz	≥ 18 dB
400	≤ 34.5 dB	2000	≤ 92.6 dB		

Certifications & Standards

Flame Retardancy	:	BS EN 60332-1-2
RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Eca to BS EN 50575:2014+A1:2016

Publication Date: 31/07/2023

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

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.