

Technical Document  
RG179 75ohm Solid Conductor  
Coaxial Cable LSNH Black

webro

Part Number: 490015E-BLK-01

Description: RG179 75ohm Solid Conductor Coax  
Cable Low Smoke Non-Halogen (LSNH) Black



**Product Construction**

Conductor Material	:	Tinned Plated Copper
Conductor Stranding	:	Solid, 1/0.36mm
Dielectric Material	:	Foamed Polyethylene (FPE)
Dielectric Diameter	:	1.60mm ± 0.05
Screening 1	:	Tinned Copper Wire Braid
Screening 1 Coverage	:	> 95% ± 3
Sheath Material	:	Low Smoke Non-Halogen (LSNH)
Sheath Colour	:	Black



**Mechanical Characteristics**

Overall Diameter	:	2.7mm ± 0.15mm
Temperature Range	Fixed	: -20°C to +70°C
Bend Radius	:	10 x Overall Diameter
Weight	:	13 kg/km

**Electrical Characteristics**

Inner Conductor DC Resistance	:	≤ 175.0 Ω/km @ 20°C
Outer Conductor DC Resistance	:	≤ 32.0 Ω/ km @ 20°C
Impedance	:	75 Ω ± 2
Nominal Capacitance	:	55 pF/m
Velocity of Propagation	:	81%
Insulation Resistance @ 20°C	:	≥ 5000 M Ω*KM
Voltage Rating	:	30V

**Attenuation @20°C**

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
1	≤ 2.0 dB	69	≤ 15.5 dB
4	≤ 4.2 dB	78	≤ 16.0 dB
10	≤ 6.0 dB	100	≤ 19.5 dB
17	≤ 8.5 dB	200	≤ 19.5 dB

**Certifications & Standards**

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

Publication Date: 23/01/2023

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.