

Technical Document
URM 76 50ohm Coaxial Cable
PVC Black

webro

Part Number: 480025F-BLK

Description: URM 76 Coaxial Cable 50ohm PVC
Black



Product Construction

Conductor Material	:	Bare Copper
Conductor Stranding	:	Stranded, 7/0.32mm
Dielectric Material	:	Solid Polyethylene (SPE)
Dielectric Diameter	:	2.95mm ± 0.10
Screening 1	:	Plain Copper Wire Braid
Screening 1 Coverage	:	> 85% ± 3
Sheath Material	:	Polyvinyl Chloride (PVC)
Sheath Colour	:	Black

Mechanical Characteristics

Overall Diameter	:	5.0mm ± 0.15mm
Temperature Range	:	Fixed -20°C to +70°C
Bend Radius	:	10 x Overall Diameter
Weight	:	39 kg/km

Electrical Characteristics

Inner Conductor DC Resistance	:	≤ 33 Ω/km @ 20°C
Outer Conductor DC Resistance	:	≤ 20 Ω /km @ 20°C
Characteristic Impedance	:	50 Ω ± 2 Ω
Nominal Capacitance	:	108 pF/m
Velocity of Propagation	:	67%
Insulation Resistance	:	> 10000 M Ω*km
Maximum Operating Voltage	:	1.4 kV RMS
VSWR DC @ 1000MHz	:	> 1.2

Attenuation @20°C

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
10	≤ 5.3 dB	400	≤ 34.6 dB
50	≤ 12.0 dB	700	≤ 46.8 dB
100	≤ 17.0 dB	900	≤ 52.7 dB
200	≤ 24.0 dB	1000	≤ 55.7 dB

Certifications & Standards

RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Fca to BS EN 50575:2014+A1:2016



Publication Date: 13/01/2023

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

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.