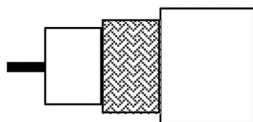


Product: [URM76NH](#)



URM76NH - Uni-Radio Coax, 50 Ohm, M76 Type, 20 AWG Stranded BC, 91% BC Braid, LSZH Jkt

Product Description

Uni-Radio Coax, 50 Ohm, M76 Type, 20 AWG Stranded Bare Copper Conductor, PE Insulation, 91% Bare Copper Braid Shield, LSZH Jacket

Technical Specifications

Product Overview

Suitable Applications:	Point-to-point and point-to-multipoint wireless antenna communication; Wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low Power FM, GPS, RFID (Radio Frequency Identification)
------------------------	--

Construction Details

Series Type:	UR Series
--------------	-----------

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	20 AWG	Stranded	0.96 mm	TC - Tinned Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene	2.95 mm (0.116 in)

Outer Shield

Outer Shield Type	Material	Coverage
Braid	Bare Copper (BC)	91%

Outer Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5 mm

Outer Jacket1 Table Notes:	According to EN 50290-2-20
----------------------------	----------------------------

Electrical Characteristics

Regularity of Impedance:	Min. 40 dB
--------------------------	------------

Return Loss

Frequency	Min. Return Loss
5 - 30 MHz	20 dB
30 - 470 MHz	20 dB
470 - 1000 MHz	18 dB

Return Loss Table Notes:	In each frequency band, 3 peak values up to 4 dB lower are allowed
--------------------------	--

Attenuation

Frequency	Nom. Attenuation
100 MHz	15.5 dB/100m
200 MHz	22.2 dB/100m
600 MHz	39.8 dB/100m
1000 MHz	52.7 dB/100m

Electricals

Max. Conductor DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
31.8 Ohm/km (9.69 Ohm/1000ft)	98 pF/m (30 pF/ft)	50 Ohm	66%

Voltage

Voltage Rating
4000 V DC / 2000 V RMS

Mechanical Characteristics

Temperature

Operating	Installation	Storage
-15°C To +70°C	-5°C To +50°C	-15°C To +70°C

Bend Radius

Stationary Min.
25 mm (0.98 in)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
CENELEC Compliance:	EN 50289
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.205 Revision Date: 09-07-2025
----------------------	--

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
URM76NH.01100	Black	Reel	100 m	8719605111036

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.