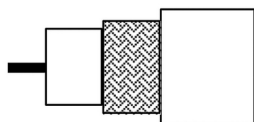# Belden

Product: URM70NH ⧉

URM70NH - Uni-Radio Coax, 75 Ohm, M70 Type, 24 AWG Stranded BC, 91% BC Braid, LSZH Jkt

Product Description

Uni-Radio Coax, 75 Ohm, M70 Type, 24 AWG Stranded Bare Copper Conductor, PE Insulation, 91% Bare Copper Braid Shield, LSZH Jacket

Technical Specifications

Product Overview

Suitable Applications:	Standard analog video

Construction Details

Series Type:	UR Series

Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	24 AWG	Stranded	0.6 mm	TC - Tinned Copper

Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene	3.25 mm (0.128 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)	5.8 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	15.2 dB/100m
200 MHz	21.8 dB/100m
600 MHz	39.1 dB/100m
1000 MHz	51.7 dB/100m

Electricals

Max. Conductor DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.

92 Ohm/km (28 Ohm/1000ft)	67 pF/m (20 pF/ft)	75 Ohm	66%

Voltage

Voltage Rating
3600 V DC / 1800 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.
30 mm (1.2 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: 0.207 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
URM70NH.10100	Black	Reel	100 m	8719605111005