



URM76NH

Part Number: URM76NH

COAX URM76 FRNC/LSNH

Product Description

COAX URM76 FRNC/LSNH

Product Specifications

Application

Application 1:

Coaxial communication cable based on BS2316

Technical Specifications

Bend Radius

Min Bend Radius (W/o Pulling Strength):

25 mm

CCB-Sub-Crush Resistance

Crush Resistance:

Max. 1% (load of 700N) N

CCB-Sub-Material

Min Elongation at Break of Jacket:

125 MPa

Min Tensile Strength of Jacket:

9 lbs

EMEA Standard

CENELEC Compliance:

EN 50289

Environmental Characteristics

Operating Temp Range:

-15 to +70 °C

| | |
|--------------------------|---------------|
| Storage Temp Range: | -15 to +70 °C |
| Installation Temp Range: | -5 to +50 °C |

General Electrical Parameters

| | |
|----------------------------|-------------------|
| Min Insulation Resistance: | 20000 mOhm/1000ft |
|----------------------------|-------------------|

History

| | |
|------------------|------------|
| Revision Date: | 2007-10-25 |
| Revision Number: | 1 |

North American Standard

| | |
|----------------------|--------|
| Other Specification: | BS2316 |
|----------------------|--------|

Safety

| | |
|--|------|
| Amt of Halogen IEC 60754-1 /EN50267-1: | Zero |
|--|------|

Impedance:

Nominal Characteristic Impedance

| | | |
|------------|-------|------------|
| 50 mOhm/ft | 2 Ohm | Min. 40 dB |
|------------|-------|------------|

Conductor DCR:

Max. Conductor DCR

| |
|---------------|
| 31.8 Ohm/100m |
|---------------|

Delay:

Nominal Velocity of Propagation (VP)

| |
|------------|
| 66 ns/100m |
|------------|

Voltage:

Voltage Rating

| |
|----------------------|
| 4000 dc / 2000 rms V |
|----------------------|

High Freq:

| Element | Frequency [MHz] | Min. RL (Return Loss) |
|---------|-----------------|-----------------------|
|---------|-----------------|-----------------------|

| | | |
|--|------------|-------|
| | 5 - 30 MHz | 20 dB |
|--|------------|-------|

| | | |
|--|--------------|-------|
| | 30 - 470 MHz | 20 dB |
|--|--------------|-------|

| | | |
|--|----------------|-------|
| | 470 - 1000 MHz | 18 dB |
|--|----------------|-------|

In each frequency band, 3 peak values up to 4 dB lower are allowed

Capacitance:

| Capacitance Tolerance | Nominal Capacitance |
|-----------------------|---------------------|
| 5 pF/m | 98 pF/m |

High Frequency (Nominal/Typical):

| Frequency (MHz) | Nom. Insertion Loss |
|-----------------|---------------------|
| 100 MHz | 15.5 db/100m |
| 200 MHz | 22.2 db/100m |
| 600 MHz | 39.8 db/100m |
| 1000 MHz | 52.7 db/100m |

Insulation:

| Type | Material | Nominal Diameter | Diameter +/- Tolerance |
|------------|--------------|------------------|------------------------|
| Dielectric | Polyethylene | 2.95 mm | 0.15 mm |

Outerjacket 1:

| Element | Material | Nominal Diameter | Diameter +/- Tolerance |
|---------|-------------|------------------|------------------------|
| | FRNC / LSNH | 5 mm | 0.25 mm |

According to European Standard HD 624

Conductor:

| Stranding | Material | ConstructionNXD | Nominal Diameter | Diameter +/- Tolerance |
|-----------|---------------|-----------------|------------------|------------------------|
| Stranded | Tinned Copper | 7x0.32 mm | 0.96 in | 0.02 mm |

Outershield 1:

| Type | Material | Coverage | Nominal Diameter | Diameter +/- Tolerance | Coverage +/- Tolerance |
|-------|-------------|----------|------------------|------------------------|------------------------|
| Braid | Bare copper | 91 % | 3.63 mm | 0.2 mm | 4 % |

Product Variants

| Part Number | Color | Put-Up Type | Length |
|---------------|-------|-------------|--------|
| URM76NH.01100 | BLACK | Reel | 100 m |

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