

75 Ohm QR® Trunk and Distribution Cable, black PE jacket, flooded for underground



## Product Classification

<b>Brand</b>	QR®
<b>Product Type</b>	Coaxial hardline cable

## Construction Materials

<b>Corrosion Protection</b>	Migraheal®
<b>Jacket Material</b>	PE
<b>Center Conductor Material</b>	Copper-clad aluminum
<b>Construction Type</b>	Welded
<b>Dielectric Material</b>	Foam PE
<b>Outer Conductor Material</b>	Aluminum

## Dimensions

<b>Diameter Over Center Conductor, nominal</b>	4.216 mm   0.166 in
<b>Diameter Over Dielectric, nominal</b>	17.424 mm   0.686 in
<b>Diameter Over Outer Conductor, nominal</b>	18.161 mm   0.715 in
<b>Diameter Over Jacket, nominal</b>	19.939 mm   0.785 in
<b>Jacket Thickness, nominal</b>	0.8890 mm   0.0350 in
<b>Outer Conductor Thickness, nominal</b>	0.3683 mm   0.0145 in
<b>Cable Length</b>	914 m   3000 ft
<b>Shipping Weight</b>	205.00 lb/kft

## Electrical Specifications

<b>dc Resistance, Inner Conductor, nominal</b>	0.58 ohms/kft
<b>dc Resistance, Outer Conductor, nominal</b>	0.42 ohms/kft
<b>dc Resistance, Loop, nominal</b>	1.00 ohms/kft
<b>dc Resistance Note</b>	Nominal values based on a standard condition of 20 °C (68 °F)
<b>Capacitance</b>	50.2 pF/m   15.3 pF/ft
<b>Capacitance Tolerance</b>	±1.0 pF/ft

<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±2 ohm
<b>Jacket Spark Test Voltage</b>	5000 Vac
<b>Nominal Velocity of Propagation (NVP)</b>	88 %
<b>Operating Frequency Band</b>	5–3000 MHz
<b>Structural Return Loss</b>	26 dB @ 1002–1218 MHz   30 dB @ 5–1002 MHz

## Environmental Specifications

<b>Environmental Space</b>	Buried
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## General Specifications

<b>Cable Type</b>	715 series
<b>Jacket Color</b>	Black
<b>Packaging Type</b>	Reel
<b>Short Description</b>	QR 715 JCASS SM PR997

## Mechanical Specifications

<b>Minimum Bend Radius, bonded</b>	127.00 mm   5.00 in
<b>Pulling Tension, maximum</b>	154 kg   340 lb

## Electrical Performance

<b>Frequency</b>	<b>Attenuation (dB/100 m)</b>	<b>Attenuation (dB/100 ft)</b>
5 MHz	0.36	0.11
55 MHz	1.21	0.37
83 MHz	1.48	0.45
85 MHz	1.51	0.46
204 MHz	2.40	0.73
211 MHz	2.43	0.74
250 MHz	2.66	0.81
300 MHz	2.92	0.89
350 MHz	3.18	0.97
400 MHz	3.44	1.05
450 MHz	3.67	1.12
500 MHz	3.90	1.19
550 MHz	4.10	1.25
600 MHz	4.30	1.31
750 MHz	4.89	1.49
865 MHz	5.31	1.62
1000 MHz	5.74	1.75
1218 MHz	6.22	1.90
1300 MHz	6.45	1.96
1400 MHz	6.72	2.05
1500 MHz	6.98	2.13
1600 MHz	7.23	2.20

1700 MHz	7.48	2.28
1794 MHz	7.71	2.35
1880 MHz	7.72	2.35
2000 MHz	8.20	2.50
2200 MHz	8.65	2.64
2400 MHz	9.08	2.77
2600 MHz	9.51	2.90
2800 MHz	9.92	3.02
3000 MHz	10.32	3.15

\* Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

ISO 9001:2015

### Classification

Compliant

Designed, manufactured and/or distributed under this quality management system

