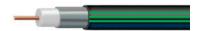
550085302 | QR® 860 JCAT 3G AJ

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



Product Classification

Product Type Coaxial hardline cable

Product Brand QR®

General Specifications

Cable Type860 SeriesConstruction TypeWelded

Jacket Color Black with three co-extruded green stripes

Short Description QR 860 JCAT 3G AJ SM PR7709

Dimensions

Cable Length899.16 m | 2950 ftDiameter Over Center Conductor, nominal5.156 mm | 0.203 inDiameter Over Dielectric, nominal21.031 mm | 0.828 inDiameter Over Jacket, nominal24.384 mm | 0.96 inDiameter Over Outer Conductor, nominal21.844 mm | 0.86 inJacket Thickness, nominal1.27 mm | 0.05 inOuter Conductor Thickness, nominal0.406 mm | 0.016 in

Electrical Specifications

Capacitance 50.197 pF/m | 15.3 pF/ft

dc Resistance Note Nominal values based on a standard condition of 20 °C (68 °F)



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dc Resistance, Inner Conductor, nominal 1.345 ohms/km | 0.41 ohms/kft

dc Resistance, Loop, nominal2.395 ohms/km | 0.73 ohms/kft

dc Resistance, Outer Conductor, nominal 1.05 ohms/km | 0.32 ohms/kft

Jacket Spark Test Voltage 5000 Vac

Nominal Velocity of Propagation (NVP) $$88\,\%$$

Operating Frequency Band 5-3000 MHz

Structural Return Loss 24 dB @ 1003-1218 MHz | 24 dB @ 1219-1794 MHz | 30 dB @ 5-1002

MHz

Structural Return Loss, Grade N ≥24 dB @ 1003−1218 MHz | ≥24 dB @ 1219−1794 MHz | ≥30 dB @ 5−1002

MHz

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5.0	0.3	0.09
55.0	1.05	0.32
85.0	1.31	0.4
204.0	2.07	0.63
211.0	2.1	0.64
250.0	2.3	0.7
300.0	2.49	0.76
350.0	2.72	0.83
400.0	2.89	0.88
450.0	3.12	0.95
500.0	3.28	1
550.0	3.48	1.06
600.0	3.61	1.1
750.0	4.07	1.24
865.0	4.36	1.33
1000.0	4.72	1.44
1002.0	4.75	1.45
1218.0	5.28	1.61
1500.0	6.12	1.87
1794.0	6.86	2.09
1800.0	6.87	2.1
2000.0	7.36	2.24



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2200.0	7.83	2.39
2500.0	8.51	2.59
2700.0	8.96	2.73
3000.0	9.61	2.93

Material Specifications

Center Conductor Material Copper-clad aluminum

Dielectric Material Foam PE

Jacket Material Alternative jacket PE

Outer Conductor Material Aluminum

Mechanical Specifications

Minimum Bend Radius, bonded177.8 mm | 7 inPulling Tension, maximum204.117 kg | 450 lb

Environmental Specifications

Environmental Space Aerial

Packaging and Weights

Packaging Type Reel

Weight, gross 431.568 kg/km | 290 lb/kft

Regulatory Compliance/Certifications

Agency Classification

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

