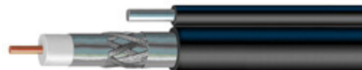


Coaxial Drop Cable, 75 Ohm, Series 50, black PVC jacket with messenger



## Product Classification

<b>Product Type</b>	Coaxial drop cable
<b>Product Series</b>	50 Series
<b>Warranty</b>	One year

## General Specifications

<b>Cable Type</b>	Series 50
<b>Center Conductor Type</b>	Solid
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Feet   Meters
<b>Messenger Wire Type</b>	Solid
<b>Performance Note</b>	Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)
<b>Shield Construction Type</b>	Trishield

## Dimensions

<b>Diameter Over Center Conductor, nominal</b>	2.769 mm   0.109 in
<b>Diameter Over Dielectric, nominal</b>	11.557 mm   0.455 in
<b>Diameter Over Inner Shield (Tape), nominal</b>	11.76 mm   0.463 in
<b>Diameter Over Jacket, nominal</b>	14.986 mm   0.59 in
<b>Diameter Over Messenger Wire, nominal</b>	2.769 mm   0.109 in
<b>Jacket Thickness, nominal</b>	1.194 mm   0.047 in
<b>Center Conductor Gauge</b>	9 AWG
<b>Inner Shield (Braid) Gauge</b>	33 AWG

## Electrical Specifications

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<b>Capacitance</b>	53.15 pF/m   16.2 pF/ft
<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>dc Resistance Note</b>	Nominal values based on a standard condition of 20 °C (68 °F)
<b>dc Resistance, Inner Conductor, nominal</b>	3.937 ohms/km   1.2 ohms/kft
<b>dc Resistance, Loop, nominal</b>	15.092 ohms/km   4.6 ohms/kft
<b>dc Resistance, Outer Conductor, nominal</b>	11.155 ohms/km   3.4 ohms/kft
<b>Nominal Velocity of Propagation (NVP)</b>	85 %
<b>Operating Frequency Band</b>	5–3000 MHz

## Attenuation

<b>Frequency (MHz)</b>	<b>Attenuation (dB/100 m)</b>	<b>Attenuation (dB/100 ft)</b>
5.0	0.69	0.21
55.0	1.97	0.6
83.0	2.4	0.73
85.0	2.43	0.74
187.0	3.58	1.09
204.0	4.63	1.14
211.0	3.81	1.16
250.0	4.17	1.27
300.0	4.56	1.39
350.0	4.92	1.5
400.0	5.28	1.61
450.0	5.61	1.71
500.0	5.91	1.8
550.0	6.2	1.89
600.0	6.5	1.98
750.0	7.32	2.23
865.0	7.87	2.4
1000.0	8.5	2.59
1218.0	9.42	2.87
1300.0	9.81	2.99
1400.0	10.27	3.13
1500.0	10.7	3.26
1600.0	11.09	3.38

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<b>1700.0</b>	11.52	3.51
<b>1794.0</b>	11.88	3.62
<b>1800.0</b>	11.91	3.63
<b>2000.0</b>	12.7	3.87
<b>2200.0</b>	13.45	4.1
<b>2500.0</b>	14.53	4.43
<b>2800.0</b>	15.59	4.75
<b>3000.0</b>	16.24	4.95

## Material Specifications

<b>Center Conductor Material</b>	Copper-clad aluminum
<b>Dielectric Material</b>	Foam PE
<b>Jacket Material</b>	PVC
<b>Messenger Wire Material</b>	Zinc-coated steel
<b>Inner Shield (Braid) Coverage</b>	60 %
<b>Inner Shield (Braid) Material</b>	Aluminum
<b>Inner Shield (Tape) Material</b>	Aluminum/Polymer/Aluminum (APA) bonded
<b>Outer Shield (Tape) Material</b>	Aluminum/Polymer/Aluminum (APA)

## Mechanical Specifications

<b>Messenger Wire Breaking Strength, minimum</b>	816.466 kg   1800 lb
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## Environmental Specifications

<b>Environmental Space</b>	Aerial
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## Packaging and Weights

<b>Packaging Type</b>	Reel
<b>Weight, gross</b>	224.713 kg/km   151 lb/kft

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

