

XPRESSPREP® Coaxial Drop Cable, 75 Ohm, Series 6, black PVC jacket with messenger



## Product Classification

<b>Product Type</b>	Coaxial drop cable
<b>Product Brand</b>	XPRESSPREP®
<b>Product Series</b>	6 Series
<b>Warranty</b>	One year

## General Specifications

<b>Cable Type</b>	Series 6
<b>Center Conductor Type</b>	Solid
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Feet
<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>	1.016 mm   0.04 in
<b>Diameter Over Dielectric, nominal</b>	4.572 mm   0.18 in
<b>Diameter Over Inner Shield (Tape), nominal</b>	4.75 mm   0.187 in
<b>Diameter Over Jacket, nominal</b>	7.061 mm   0.278 in
<b>Diameter Over Messenger Wire, nominal</b>	1.295 mm   0.051 in
<b>Jacket Thickness, nominal</b>	0.762 mm   0.03 in
<b>Center Conductor Gauge</b>	18 AWG
<b>Inner Shield (Braid) Gauge</b>	34 AWG

## Electrical Specifications

<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>	100.066 ohms/km   30.5 ohms/kft
<b>dc Resistance, Loop, nominal</b>	121.063 ohms/km   36.9 ohms/kft
<b>dc Resistance, Outer Conductor, nominal</b>	20.997 ohms/km   6.4 ohms/kft
<b>Nominal Velocity of Propagation (NVP)</b>	85 %
<b>Operating Frequency Band</b>	5–3000 MHz
<b>Structural Return Loss</b>	15 dB @ 1003–1794 MHz   20 dB @ 5–1002 MHz

## Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5.0	1.9	0.58
55.0	5.25	1.6
83.0	6.4	1.95
85.0	6.46	1.97
187.0	9.35	2.85
204.0	9.84	3
211.0	10	3.05
250.0	10.82	3.3
300.0	11.64	3.55
350.0	12.63	3.85
400.0	13.61	4.15
450.0	14.43	4.4
500.0	15.29	4.66
550.0	16.08	4.9
600.0	16.73	5.1
750.0	18.54	5.65
865.0	20.01	6.1
1000.0	21.49	6.55
1218.0	23.66	7.21
1300.0	24.71	7.53

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1400.0	25.71	7.84
1500.0	26.68	8.13
1600.0	27.63	8.42
1700.0	28.54	8.7
1794.0	29.39	8.96
1800.0	29.44	8.97
2000.0	31.17	9.5
2200.0	32.83	10.01
2500.0	35.2	10.73
2800.0	37.46	11.42
3000.0	38.91	11.86

## Material Specifications

<b>Center Conductor Material</b>	Copper-clad steel
<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>	77 %
<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) bonded

## Mechanical Specifications

<b>Messenger Wire Breaking Strength, minimum</b>	81.647 kg   180 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>	63.991 kg/km   43 lb/kft

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value

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ISO 9001:2015

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

ROHS

Compliant

