Premium
SCTE High Performance

RG-6 Tri-Shield Drop Cable Product Specifications

Construction Materials	
Jacket Material	PVC
Center Conductor Material	Copper Clad Steel
Dielectric Material	Foam PE
Inner Shield (Braid) Coverage	77%
Inner Shield (Braid) Gauge	34 AWG (.0063")
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded
Outer Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA)
Messenger Mechanical	
Breaking Strength	180 Lbs.
Shear Separation from Jacket	5 Lbs. Minimum

Society of Cable Telecommunications Engineers
SCTE 74 2011 Compliant

Manufactured under ISO 9001:2008 quality management system

RoHS COMPLIANT

Dimensions	
Diameter Over Center Conductor, nominal	1.016mm - 0.040"
Diameter Over Dielectric, nominal	4.57mm - 0.180"
Diameter Over Inner Shield (Tape), nominal	4.75mm - 0.187"
Diameter Over Jacket, nominal	7.06mm - 0.278"
Jacket Thickness, nominal	0.76mm - 0.030"
Shipping Weight	32 lbs.

Electrical Specifications	
dc Resistance, Inner Conductor, nominal	23.35 ohms @ 1,000'
dc Resistance, Outer Conductor, nominal	5.90 ohms @ 1,000'
dc Resistance, Loop, nominal	28.95 ohms @ 1,000'
Characteristic Impedance	75 ohms
Characteristic Impedance Tolerance	±3 ohms
Nominal Velocity of Propagation (NVP)	82%

General Specifications	
Cable Type	RG-6
Packaging Type	1,000' Reel
Shield Construction Type	Tri-Shield
Center Construction Gauge	18 AWG (.0403")
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Feet
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this management system
SCTE Compliance	All specifications meet or surpass SCTE 74 2011 Specifications

Maximum Attenuation (@68°F/20°C)		
Frequency (MHz)	dB/100ft	dB/100m
5	0.58	1.90
55	1.60	5.25
211	3.05	10.00
250	3.30	10.82
270	3.37	11.04
300	3.55	11.64
330	3.74	12.26
350	3.85	12.63
400	4.15	13.61
450	4.40	14.43
500	4.66	15.29
550	4.90	16.08
600	5.10	16.73
750	5.65	18.54
870	6.11	20.04
1000	6.55	21.49

Features:

- **Available with or without messenger**
- 18 AWG copper covered steel center conductor
- Gas expanded polyethylene dielectric
- Swept to 3,500 MHz
- Inner shield: Aluminum-polypropylene-aluminum laminated tape with overlap bonded to dielectric

Part# M677T-BV-S
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