Product Specifications

COMMSCOPE®

8202613/10 | 5730 BKBX RG6 60 1000

RG 6 Type 60% Braid Non-Plenum Satellite Coaxial Cable, black jacket, 1000 ft. (305 m) box

Construction Materials

Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam PE
Shield (Braid) Coverage	60 %
Shield (Braid) Gauge	34 AWG
Shield (Braid) Material	Aluminum
Shield (Tape) Material	Aluminum/Poly
Jacket Material	PVC

Dimensions

Cable Length	305 m	1000 ft
Cable Weight	27.00 lb/kft
Diameter Over Center Conductor	1.0236 mm per 1 strand 0.0403 in per 1 strand
Diameter Over Dielectric	4.5720 mm	0.1800 in
Diameter Over Jacket	6.909 mm	0.272 in
Diameter Over Jacket Tolerance	±0.008 in
Diameter Over Shield (Braid)	5.385 mm	0.212 in
Diameter Over Shield (Tape)	4.750 mm	0.187 in
Jacket Thickness	0.762 mm	0.030 in
Jacket Thickness, minimum spot	0.610 mm	0.024 in

Electrical Specifications

Capacitance	52.5 pF/m	16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	28.60 ohms/kft
Dielectric Strength, conductor to shield	3000 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	82 %
Shield dc Resistance	9.70 ohms/kft
Structural Return Loss	15 dB @ 2200–3000 MHz	20 dB @ 5–2200 MHz
Structural Return Loss Test Method	100% Swept Tested

Environmental Specifications

Environmental Space	Non-plenum
Flame Test Method	CM
Safety Standard	cETL	ETL
UL Temperature Rating	75 °C	167 °F

General Specifications

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Application	Satellite
Cable Type	Series 6
Jacket Color	Black
Product Number	5730
Center Conductor Gauge	18 AWG
Center Conductor Type	Solid
Packaging Type	CommPak® box

Mechanical Specifications

Minimum Bend Radius, loaded	20 times
Minimum Bend Radius, unloaded	10 times

Electrical Performance

Frequency	Attenuation (dB/100 ft)
1 MHz	0.37
10 MHz	0.66
50 MHz	1.41
100 MHz	1.92
200 MHz	2.64
400 MHz	3.73
700 MHz	5.05
900 MHz	5.79
1000 MHz	6.11
1200 MHz	6.73
1450 MHz	7.49
1800 MHz	8.43
2200 MHz	9.35
2500 MHz	9.97
3000 MHz	10.92

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system