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2287K CMRL RG11 QD 1000

Material ID: 4103304/10


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RG 11 Type Quad Shield Plenum Video Coaxial Cable, cream jacket, 1000 ft (305 m) reel

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Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam FEP
Inner Shield (Braid) Coverage	60 %
Inner Shield (Braid) Gauge	34 AWG

Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Poly
Jacket Material	PVDF
Outer Shield (Braid) Coverage	40 %
Outer Shield (Braid) Gauge	34 AWG
Outer Shield (Braid) Material	Aluminum
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	63.00 lb/kft
Diameter Over Center Conductor	1.6281 mm per 1 strand 0.0641 in per 1 strand
Diameter Over Dielectric	7.1120 mm 0.2800 in
Diameter Over Jacket	9.449 mm 0.372 in
Diameter Over Jacket Tolerance	±0.008 in
Diameter Over Outer Shield (Tape)	0.051 mm 0.002 in
Jacket Thickness	0.508 mm 0.020 in
Jacket Thickness, minimum spot	0.406 mm 0.016 in
Diameter Over Inner Shield (Braid)	7.925 mm 0.312 in
Diameter Over Outer Shield (Braid)	8.433 mm 0.332 in

Electrical Specifications

Capacitance	52.5 pF/m 16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	11.00 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	84 %
Shield dc Resistance	3.90 ohms/kft
Structural Return Loss	15 dB @ 1000–3000 MHz 20 dB @ 5–1000 MHz
Structural Return Loss Test Method	100% Swept Tested

Environmental Specifications

Environmental Space	Plenum
Flame Test Method	CMP
Safety Standard	cETL ETL
UL Temperature Rating	125 °C 257 °F

General Specifications

Application	Video
Cable Type	Series 11
Jacket Color	Cream
Product Number	2287K

Center Conductor Gauge	14 AWG
Center Conductor Type	Solid
Packaging Type	Reel

Mechanical Specifications

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

Performance

Frequency	Attenuation (dB/100 ft)
1 MHz	0.15
10 MHz	0.45
50 MHz	0.90
100 MHz	1.28
200 MHz	1.85
400 MHz	2.75
700 MHz	3.92
900 MHz	4.72
1000 MHz	5.04
1450 MHz	6.67
1800 MHz	7.71
2200 MHz	8.50
3000 MHz	9.88

Regulatory compliance/certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2004	Compliant



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Note: Not all product lines have translations defined.

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