

YJ53449

Coax – RG 59 Type

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

Series 59, 20 AWG 0.8 mm solid bare copper covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II tape+ aluminum braid shield (67% coverage), Black PVC jacket

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
Series Type	Series 59
AWG	20
Stranding	Solid
Conductor Diameter	0.8 mm
Conductor Material	BCCS - Bare Copper Covered Steel

INSULATION:

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	3.7 mm

OUTER SHIELD:

Outer Shield Material Trade Name	Duobond® II
Outer Shield Type	Tape/ Braid
Outer Shield Material:	

Layer Number	Type	Material	% Coverage (%)
1	Tape	Bonded Aluminum Foil – Polyester Tape – Aluminum Foil	100
2	Braid	AL – Aluminum Alloy	67

Outer Shield %Coverage	100 %
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	5.8 mm
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MECHANICAL CHARACTERISTICS:

Operating Temperature (Non-UL)	+ 75
Bulk Cable Weight	33 kg/km Nominal

APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	N
EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	Jan 2009

SWEEP TEST:

Sweep Testing	5 MHz – 3 GHz
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristics Impedance	75 +/- 3 Ohms
Nom. Capacitance Conductor to Shield	53 pF/m
Nom. Velocity of Propagation	85 %
Nom. Conductor DC Resistance @ 20 Deg.C	149 Ohms/km
Nom. Outer Shield DC Resistance @ 20 Deg.C	34 Ohms/km
Min. Structural Return Loss (5~1000 MHz)	20 dB
Min. Structural Return Loss (1000~3000 MHz)	17 dB

Max. Attenuation:

Frequency (MHz)	Nom. Attenuation (dB/100m)	Frequency (MHz)	Nom. Attenuation (dB/100m)
5	2.82	500	18.70
55	6.73	550	19.52
211	12.47	600	20.34
250	13.45	750	22.87
270	13.85	870	24.67
300	14.60	1000	26.64
330	15.29	1450	32.51
350	15.75	2000	38.50
400	16.73	2250	40.75
450	17.72	3000	48.36

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PUT-UPS AND COLORS:

Item	Description	Put-Up* (metre)	Ship Weight (kg)	Jacket Color	Note**
YJ53449 010305M	#20 G1FPE DUOSHIELD 3GHZ PVC BLACK	305M	10 (Estimated)	Black	C

* Other lengths available upon request.

** Crate Reel Put-up.

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