

YJ55215

Coax – Series 6

 	<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 6, 18 AWG 1.02mm solid bare copper conductor, gas-injected foam polyethylene insulation, Duobond® II tape+ TC braid shield (60% coverage), LSZH jacket

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
Series Type	Series 6
AWG	18
Stranding	Solid
Conductor Diameter	1.02 mm
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	4.57 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	Aluminum Foil - Polyester Tape - Aluminum Foil	100
2	Braid	TC - Tinned Copper	60

Outer Shield %Coverage	100 %
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OUTER JACKET:

Outer Jacket Material	LSZH - Low Smoke Zero Halogen
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	6.86 mm
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MECHANICAL CHARACTERISTICS:

Detailed Specifications & Technical Data



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Operating Temperature Range (Non-UL)	- 40°C To + 80°C
Bulk Cable Weight	52.5 kg/km
Max. Recommended Pulling Tension	196 N
Min. Bend Radius (Install)	70 mm

APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	N
EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	Dec 2005

FLAME TEST:

Flame Test	IEC 60332-1
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	N

ELECTRICAL CHARACTERISTICS:

Nom. Characteristics Impedance	75 Ohms
Nom. Capacitance Conductor to Shield	16.8 pF/FT
Nom. Velocity of Propagation	82 %
Nom. Delay	1.24 ns/FT
Nom. Conductor DC Resistance @ 20 Deg.C	6.4 Ohms/1000FT
Nom. Outer Shield DC Resistance @ 20 Deg.C	5.6 Ohms/1000FT
Min. Structural Return Loss (5~450 MHz)	23 dB

Nom. Attenuation:

Frequency (MHz)	Nom. Attenuation (dB/100FT)	Frequency (MHz)	Nom. Attenuation (dB/100FT)
1	0.30	400	2.80
5	0.54	450	4.00
10	0.70	550	5.30
50	1.50	750	6.10
100	2.00	1000	6.50

Max. Operating Voltage	350 V RMS
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PUT-UPS AND COLORS:

Item	Description	Put-Up* (meter)	Ship Weight (kg)	Jacket Color
YJ55215 0101000	#18 GIFHDLDP/ PVC SHIELDED	305M	54	BLACK

* Other lengths available upon request.

** Crate Reel Put-up.

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