

YJ52818 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 covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II tape+ aluminum braid shield (60% coverage), PVC jacket (black)

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	BCCS - Bare Copper Covered Steel

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	Bonded Aluminum Foil – Polyester Tape – Aluminum Foil	100
2	Braid	AL – Aluminum	60

Outer Shield % Coverage	100 %
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Nom. Outer Jacket Wall Thickness	0.7 mm

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	6.7 mm
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	- 20 To + 70
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Installation Temperature Range	- 20 To + 70
Bulk Cable Weight	38 kg/km
Max. Recommended Pulling Tension	680 N
Min. Bend Radius (Install)	53.6 mm

APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	UL444, UL13, UL1655
EU CE Mark (Y/N)	N
EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	Dec 2007

SWEEP TEST:

Sweep Testing	950 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	53.1 pF/m
Nom. Velocity of Propagation	82 %
Nom. Delay	4.065 ns/m
Nom. Conductor DC Resistance @ 20 Deg.C	91.868 Ohms/km
Nom. Outer Shield DC Resistance @ 20 Deg.C	29.529 Ohms/km
Min. Structural Return Loss (5~3000 MHz)	20 dB

Max. Attenuation:

Frequency (MHz)	Max. Attenuation (dB/100m)	Frequency (MHz)	Max. Attenuation (dB/100m)
5	1.90	600	16.73
55	5.25	750	18.54
211	10.00	870	20.04
250	10.82	1000	21.49
270	11.04	1300	24.49
300	11.64	1450	25.89
330	12.26	1750	28.67
350	12.63	2150	31.79
400	13.61	2600	35.30
450	14.43	2832	37.74
500	15.29	3000	38.84
550	16.08	-	-

Max. Operating Voltage	350 V RMS
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NOTES:

Notes	Jacket sequentially marked with meters.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (metre)	Ship Weight (kg)	Jacket Color
YJ52818 010305M	#18 GIFHDLDPE SH PVC	305M	14	BLK

Revision Number: 3

Revision Date: 12/12/2007

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