

YJ52977 Coax – Series 11

	<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 11, 14 AWG 1.63 mm solid bare copper covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II + aluminum braid shield (60% coverage), PVC jacket (black)

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
Series Type	Series 11
AWG	14
Stranding	Solid
Conductor Diameter	1.63 mm
Conductor Material	BCCS - Bare Copper Covered Steel

INSULATION:

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	7.11 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 JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Nom. Outer Jacket Wall Thickness	1.0 mm

OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter	10.0 mm
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	- 40 To + 80
Non-UL Temperature Range	+ 80
Bulk Cable Weight	60 kg/km
Max. Recommended Pulling Tension	1200 N
Min. Bend Radius (Install)	115 mm

APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	UL444, UL13, UL1655
Other Specification	SCTE IPS-SP-001
EU CE Mark (Y/N)	N
EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	Feb 2008

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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SWEEP TEST:

Sweep Testing	5 MHz – 3 GHz
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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	83%
Nom. Delay	4.065 ns/m
Nom. Conductor DC Resistance @ 20 Deg.C	36.1 Ohms/km
Nom. Outer Shield DC Resistance @ 20 Deg.C	25.2 Ohms/km
Min. Structural Return Loss (5~950 MHz)	21 dB
Min. Structural Return Loss (950~3000 MHz)	18 dB

Max. Attenuation:

Frequency (MHz)	Max. Attenuation (dB/100m)	Frequency (MHz)	Max. Attenuation (dB/100m)
5	1.25	600	10.43
55	3.15	750	11.97
211	6.23	870	13.31
250	6.72	1000	14.27
270	7.00	1300	16.21
300	7.38	1450	17.36
330	7.71	1750	19.52

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350	7.94	2150	21.65
400	8.53	2600	24.04
450	9.02	2830	25.09
500	9.51	3000	25.86
550	9.97	-	-

Max. Operating Voltage	300 V RMS
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PUT-UPS AND COLORS:

Item	Description	Put-Up* (metre)	Ship Weight (kg)	Jacket Color
YJ52977 010305M	#14 GIFHDLDPPE SH PVC	305M	20	BLK

* Other lengths available upon request.

Revision Number: 2

Revision Date: 7/1/2008

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