

## 1189AS Coax – Series 6



For more information please call  
1-800-Belden1

See Put-ups and Colors

### Description:

Series 6, 18 AWG 1.02 mm solid bare copper covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (100% coverage), PVC 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	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® IV
Outer Shield Type	Tape/ Braid/ 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
3	Tape	Aluminum Foil – Polyester Tape – Aluminum Foil	100
4	Braid	AL – Aluminum	40

Outer Shield %Coverage	100 %
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#### OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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#### OVERALL NOMINAL DIAMETER:

# Detailed Specifications & Technical Data



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Overall Nominal Diameter	7.40 mm
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range (Non-UL)	- 40 To + 80
Bulk Cable Weight	48 kg/km
Max. Recommended Pulling Tension	720 N
Min. Bend Radius (Install)	76.2 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 2005

#### FLAME TEST:

UL Flame Test	UL 1581 VW-1
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#### SWEEP TEST:

Sweep Testing	5 MHz –1 GHz
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#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	1189AP

### ELECTRICAL CHARACTERISTICS:

Nom. Characteristics Impedance	75 +/- 3 Ohms
Nom. Capacitance Conductor to Shield	53.1 pF/m
Nom. Velocity of Propagation	83 %
Nom. Delay	3.93 ns/m
Nom. Conductor DC Resistance @ 20 Deg.C	102.0 Ohms/km
Nom. Outer Shield DC Resistance @ 20 Deg.C	23.6 Ohms/km
Min. Structural Return Loss (5~1000 MHz)	20 dB

#### Max. Attenuation:

Frequency (MHz)	Max. Attenuation (dB/100m)	Frequency (MHz)	Max. Attenuation (dB/100m)
5	2.23	400	13.80
55	5.25	450	14.66
211	9.90	550	16.23
270	11.28	750	19.11
300	11.93	870	20.66
350	12.89	1000	22.23

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

Item	Description	Put-Up* (metre)	Ship Weight (kg)	Jacket Color	Note**
1189AS 009152M	#18 GIFHDLDPPE DBL SH PVC	152M	8	White	C
1189AS 009305M	#18 GIFHDLDPPE DBL SH PVC	305M	15	White	C
1189AS 009U305M	#18 GIFHDLDPPE DBL SH PVC	305M	14	White	
1189AS 010152M	#18 GIFHDLDPPE DBL SH PVC	152M	8	Black	C
1189AS 010305M	#18 GIFHDLDPPE DBL SH PVC	305M	15	Black	C
1189AS 010U305M	#18 GIFHDLDPPE DBL SH PVC	305M	14	Black	

\* Other lengths available upon request.

\*\* Crate Reel Put-up.

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