

1618A Coax - Broadband Coax CATV Cables



For more information please
call

1-800-Belden1

See Put-ups and Colors

Description:

14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield with Coreguard®, polyethylene jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
Series Type	Series 11
AWG	14
Stranding	Solid
Conductor Diameter	.064 in.
Conductor Material	BCCS - Bare Copper Covered Steel

INSULATION:

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	.280 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Duobond® IV Quad Shield
Outer Shield Type	Tape/Braid/Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum Braid	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum Braid	40

Outer Shield % Coverage	100 %
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OUTER JACKET:

Outer Jacket Material	PE - Polyethylene
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.407 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-55°C To +80°C
Bulk Cable Weight	53 lbs/1000 ft.
Max. Recommended Pulling Tension	308 lbs.
Min. Bend Radius (Install)	4.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

SUITABILITY:

Suitability - Burial	Yes
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 +/- 3 Ohms
Nom. Inductance	0.097 µH/ft
Nom. Capacitance Conductor to Shield	16.2 pF/ft
Nominal Velocity of Propagation	83 %
Nominal Delay	1.2 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	11.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	3 Ohms/1000 ft

Minimum Structural Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Structural Return Loss (dB)
		5	1000	20

Max. Attenuation :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 ft.)
	5			.38
	55			.97
	211			1.81
	270			2.05
	300			2.15
	350			2.32
	400			2.47
	450			2.65
	550			2.94
	750			3.50
	870			3.84
	1000			4.23

Max. Operating Voltage - Non-UL	600 V RMS
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NOTES:

Notes	Sweep tested 5 MHz to 1 GHz.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1618A 0031000	#14 GIFHDLDP SH LDPE	1000	61	ORANGE	
1618A 0101000	#14 GIFHDLDP DBL SH LDPE	1000	61	BLACK	

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