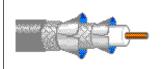


3093A Coax - ControlNetTM Quad Shielded Coax





For more information please call 1-800-Belden1

See Put-ups and Colors

Description:

18 AWG solid bare copper-covered steel conductor, foam FEP insulation, Duobond® IV Quad Shield (100% coverage), fluorocopolymer Jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
RG Type	6/U
AWG	18
Stranding	Solid
Conductor Diameter	.040 in.
Conductor Material	BCCS - Bare Copper Covered Steel

INSULATION:

Insulation Material	FFEP - Foam Fluorinated Ethylene Propylene
Insulation Diameter	.170 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	Туре	Material	% Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil- Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

Outer Shield %Coverage 100 %

OUTER JACKET:

Outer Jacket Material PVDF - Fluorocopolymer

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .274 in.



3093A Coax - ControlNet TM Quad Shielded Coax

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +150°C
Non-UL Temperature Rating	150°C
Bulk Cable Weight	43 lbs/1000 ft.
Max. Recommended Pulling Tension	104 lbs.
Min. Bend Radius (Install)	2.75 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP FT6
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test NFPA 262

SUITABILITY:

Suitability - Outdoor	Yes
Suitability - Burial	Yes

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 Ohms
Nom. Inductance	$.093 \mu H/ft$
Nom. Capacitance Conductor to Shield	16.3 pF/ft
Nominal Velocity of Propagation	82 %
Nominal Delay	1.28 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	28.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	3.6 Ohms/1000 ft

Minimum Structural Return Loss:

Description	Frequency (MHz)	Start Frequency (MHz)		Minimum Structural Return Loss (dB)
		5	50	23

Nom. Attenuation:



3093A Coax - ControlNet TM Quad Shielded Coax

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.36
	2			.38
	5			.50
	10			.65
	20			.95
	50			1.50
	100			2.12
	200			2.99
	300			3.66
	400			4.23

Max. Operating Voltage - Other

300 V RMS

NOTES:

Notes

Blue available as standard in 1000-ft put-up only. Suitable for Outdoor and Direct Burial applications.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
3093A 0101000	#18 FFEP DBSH SLF	1000	40	BLACK	С
3093A 0102000	#18 FFEP DBSH SLF	2000	80	BLACK	CN
3093A 0102500	#18 FFEP DBSH SLF	2500	95	BLACK	CN
3093A X7E1000	#18 FFEP DBSH SLF	1000	40	BLUE X7E	С

C = CRATE REEL PUT-UP.

N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 09-08-2006

Detailed Specifications & Technical Data



3093A Coax - ControlNetTM Quad Shielded Coax

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