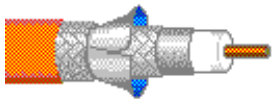
89880 Coax - Coaxial Cable - Thicknet 10Base5 Ethernet



For more information please call

1-800-Belden1

See Put-ups and Colors

Description:

12 AWG solid .086" bare copper conductor, foam FEP insulation, Duobond IV® quad shield (100% coverage), fluorocopolymer jacket.

SUITABLE APPLICATIONS:

Suitable Applications	Thick Ethernet

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
AWG	12
Stranding	Solid
Conductor Diameter	.086 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	FFEP - Foam Fluorinated Ethylene Propylene
Insulation Diameter	.245 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Duobond® IV
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	TC - Tinned Copper	90
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	TC - Tinned Copper	90

Outer Shield %Coverage	100 %

OUTER JACKET:

Outer Jacket Material	PVDF - Fluorocopolymer

OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter	.375 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-25°C To +150°C
UL Temperature Rating	150°C
Bulk Cable Weight	137 lbs/1000 ft.
Max. Recommended Pulling Tension	255 lbs.
Min. Bend Radius (Install)	6 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP, CL2P
CEC/C(UL) Specification	CMP
IEEE Specification	IEEE802.3 10Base5
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
Customer Part Number Reference Specification	DEC Part No. 17-00324-00

FLAME TEST:

UL Flame Test	NFPA 262
CSA Flame Test	FT6

SUITABILITY:

Suitability - Outdoor	Yes
Suitability - Burial	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Non-Plenum Number	9880

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 +/- 2 Ohms
Nom. Inductance	.0645 µH/ft
Nom. Capacitance Conductor to Shield	26.0 pF/ft
Nominal Velocity of Propagation	78 %
Nominal Delay	1.30 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	1.42 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	1.52 Ohms/1000 ft
Nom. Attenuation :	

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.18
	5			.37 max
	10			.52 max
	50			1.15
	100			1.65
	200			2.45
	400			3.8
	700			5.6
	900			6.8
	1000			7.2

Max. Power Rating :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power Rating (W)
	1			15900
	5			6928
	10			4802
	50			1992
	100			1344
	200			900
	400			602
	700			438
	900			382
	1000			361

Max. Operating Voltage - UL	300 V RMS
Max. Operating Voltage - Non-UL	300 V RMS

NOTES:

Notes	Ring-band stripes every 2.5 meters to aid users in tap placement.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
89880 0031000	#11H FFEP SH SOL COAX	1000	134	ORANGE	C
89880 0031640	#11H FFEP SH SOL COAX	1640	224.68	ORANGE	C Z

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 2 Revision Date: 07-17-2006

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