

HITACHI CABLE AMERICA

Customer Specification

HCM - 40471/68

- C O N F I D E N T I A L -

RFQ #:

50134

ITEM DESCRIPTION:

SCSI NEXZ CABLE, CONSISTING OF 34 PAIR, 30 AWG,
DUAL SHIELDED WITH A FLEX PVC JACKET. (UL) 20276, VW-1

COMPONENT:

CONDUCTOR:

30 AWG 7/38 TINNED COPPER
.012" NOM OD

INSULATION:

CELLULAR POLYOLEFIN
.026" NOM OD
.007" AVG WALL

COPPER DIAMETER CONVERSION: 0.304 MM
PRIMARY DIAMETER CONVERSION: 0.660 MM

PAIRING:

COMPONENTS ARE TWISTED INTO PAIRS WITH VARYING LEFT
HAND LAYS TO MINIMIZE CROSSTALK.

<u>PAIR #</u>	<u>COLOR</u>	<u>PAIR #</u>	<u>COLOR</u>
1	WHT+TAN	2	WHT+BRN
3	WHT+PNK	4	WHT+ORN
5	WHT+YEL	6	WHT+GRN
7	WHT+BLU	8	WHT+VIO
9	WHT+GRY	10	TAN+BRN
11	TAN+PNK	12	TAN+ORN
13	TAN+YEL	14	TAN+GRN
15	TAN+BLU	16	TAN+VIO
17	TAN+GRY	18	BRN+PNK
19	BRN+ORN	20	BRN+YEL
21	BRN+GRN	22	BRN+BLU
23	BRN+VIO	24	BRN+GRY
25	PNK+ORN	26	PNK+YEL
27	PNK+GRN	28	PNK+BLU
29	PNK+VIO	30	PNK+GRY
31	ORN+YEL	32	ORN+GRN
33	ORN+BLU	34	ORN+VIO

HITACHI CABLE AMERICA . 900 Holt Avenue-East Industrial Park Manchester, N.H. 03109 (603) 669-4347	Drawn By: KDA Date: 03/04/03 Checked By: MOS Date: 03/04/03 Issued By: KDA Date: 03/04/03	REV# G
	THIS PRODUCT MADE IN THE U.S.A.	
ITEM: 40471-0068-G69-XXX-000-S-02500-4640-00	PAGE 1 of 3 Approved By: Date:	

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CABLING:

THE COMPONENTS ARE CABLED TOGETHER WITH A LEFT HAND LAY AND THEN WRAPPED WITH A FOAM POLYPROPYLENE TAPE, AN ALUMINUM/POLYESTER TAPE IS APPLIED OVERALL (ALUMINUM SIDE OUT). 25% MIN OVERLAP ON TAPES.

BRAID SHIELD:

CONDUCTOR:

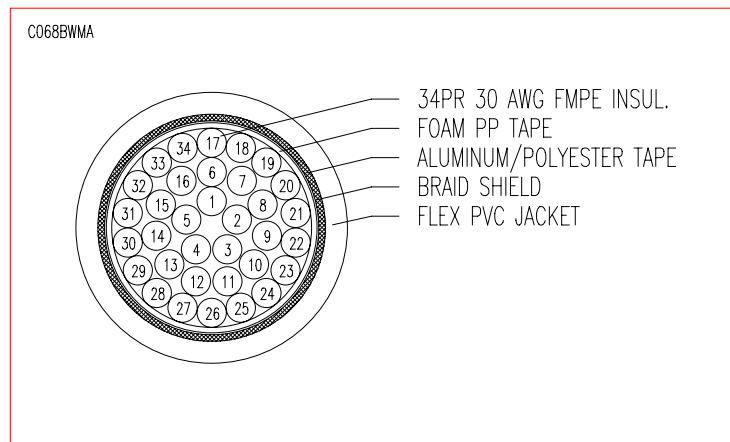
11 ENDS 38 AWG TINNED COPPER
85% MIN. COVERAGE

OVERALL JACKET:

FLEX PVC LF BLACK
.380" NOM OD
.025" AVG WALL

JACKET DIAMETER CONVERSION: 9.652 MM

JACKET IS TO BE ROUND AND SMOOTH.



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MARKING:

THE CABLE IS IDENTIFIED WITH THE FOLLOWING PRINT LEGEND:

**HITACHI CABLE AMERICA - HCM 40471 SCSI NEXZo U320
COMPLIANT - 30 AWG SHIELDED  AWM STYLE 20276 80C
30V VW-1 RoHS - ZZ/DD/YY HR:MN (XXXX)**

WHERE: ZZ = MONTH OF MFG.

DD = DATE OF MFG.

YY = YEAR OF MFG.

HR = HOUR (MILITARY)

MN = MINUTE

XXXX = JOB NUMBER

AGENCY APPROVALS:

U.L. RECOGNIZED AWM STYLE 20276, 80C, 30V.

USAGE: INTERNAL WIRING OR EXTERNAL INTERCONNECTION OF ELECTRONIC EQUIPMENT IN CLASS 2 CIRCUITS ONLY. VW-1

ENVIRONMENTAL COMPLIANCE*

ROHS (RECAST) EU DIRECTIVE 2011/65/EU

*ALLOWABLE LIMITS SUBJECT TO CHANGE - COMPLIANT ON DATE OF LATEST REVISION OF HITACHI SPECIFICATION

RECOMMENDED MINIMUM BEND RADIUS: 3.00".

APPLICATION:

**SPI-5 (SCSI PARALLEL INTERCONNECT-5)
SUPPORTS FROM FAST 40, THROUGH
ULTRA 320 SCSI IN LVD MODE.**

**TYPICAL ELECTRICAL
CHARACTERISTICS:**

Differential Impedance: 125 ± 10 Ohm
Single-end Impedance: 90 ± 6 Ohm (Ack & Rec)
90 ± 10 Ohm (all others)

Mutual Capacitance: 10 pF/ft @ 1 MHz nom
Single-end Capacitance: 15 pF/ft @ 1 MHz nom

Velocity of Propagation: 75% nom
Time Delay: 1.42 ns/ft nom
Delay Skew (pair-to-pair): 0.025 ns/ft typical

Conductor Resistance: 0.34 Ohm/m nom @ 20C

Attenuation: 0.68 dB/m max @ 200 MHz

Rev	Revision	Date	By	Appvd	PAGE 3 of 3
E	UPDATED RFQ DETAILS	05/10/12	KDA	KDA	
F	ADDED METRIC DIMENSIONS & REVISED PRINT	06/04/12	KDA	KDA	
G	UPDATED RFQ DETAILS.	07/22/14	JME	JME	