

HITACHI CABLE MANCHESTER

Customer Specification

HCM - 48331/68

RFQ #: 32481

ITEM DESCRIPTION: HIGH DENSITY SCSI CABLE, CONSISTING OF 34 PAIRS, 28 AWG, DUAL SHIELDED WITH A PVC JACKET. CM, C(UL)

COMPONENT:

CONDUCTOR: 28 AWG 7/36 TINNED COPPER
.015" NOM OD

INSULATION: POLYOLEFIN
.028" NOM OD
.0065" AVG WALL

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

HITACHI CABLE MANCHESTER, INC. 900 Holt Avenue-East Industrial Park Manchester, N.H. 03109 (603) 669-4347	Drawn By: DSA Date: 11/24/97 Checked By: JS Date: 11/24/97 Issued By: RRC Date: 11/26/97	REV# C
	THIS PRODUCT MADE IN THE U.S.A.	
ITEM: 48331-0068-H00-XXX-000-S-01000-3175-00	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) WITH 25% MIN OVERLAP ON TAPES. A 28 AWG 7/36T DRAIN WIRE IS PULLED IN OVER THE ALUMINUM TAPE.

BRAID SHIELD:

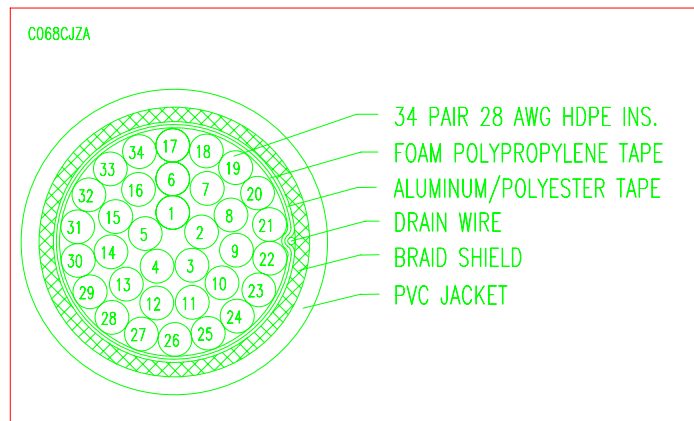
CONDUCTOR:

10 ENDS 36 AWG TINNED COPPER
85% MIN. COVERAGE

OVERALL JACKET:

PVC BLACK
.405" NOM OD
.031" AVG WALL

JACKET IS TO BE ROUND, SMOOTH AND TIGHT.



MARKING:

THE CABLE IS IDENTIFIED WITH THE FOLLOWING PRINT LEGEND:

HCM 48331 TYPE CM (UL) c(UL) 28 AWG 75C SHIELDED

- RoHS -- Z/YY (XXXX)

WHERE: Z = MONTH OF MFG.

YY = YEAR OF MFG.

XXXX = JOB NUMBER

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AGENCY APPROVALS:

UNDERWRITERS LABORATORIES, INC. TYPE CM CLASSIFIED COMMUNICATIONS CABLE FOR GENERAL PURPOSE COMMUNICATIONS USE WITH THE EXCEPTION OF RISERS AND PLENUMS, IN ACCORDANCE WITH ARTICLE 800 OF THE NATIONAL ELECTRIC CODE.

TYPICAL ELECTRICAL CHARACTERISTICS:

DIFFERENTIAL IMPEDANCE: 105 ± 10 OHMS
S. E. IMPEDANCE: 62 OHMS NOM
CAPACITANCE: 14 pF/FT NOM
TIME DELAY: 1.50 ns/FT NOM
DELAY SKEW: .045 ns/FT NOM
CONDUCTOR RESISTANCE: 67 OHMS/M' @ 20C

Rev	Revision	Date	By	Appvd	PAGE 3 of 3
A	UPDATED LISTING & PRINT	08/11/98	DSA	MG	
B	UPDATED FORMAT	07/19/06	ZD	ZD	
C	UPDATED PRINT LEGEND	03/12/07	ZD	PF	