

HITACHI CABLE AMERICA

Customer Specification

HCM - 41473/3

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

RFQ #:

52081

ITEM DESCRIPTION:

CANBUS INTERFACE CABLE, CONSISTING OF 3 CONDUCTOR, 20 AWG, BRAID SHIELDED WITH AN ETFE JACKET. NON-UL

COMPONENT:

CONDUCTOR:

20 AWG 19/32 TINNED COPPER
.038" (0.965mm) NOM OD

DUAL INSULATION:

FLUOROPOLYMER/CELLULAR FLUOROPOLYMER
.075"/.119" (1.91mm/3.02mm) NOM OD
.0185"/.022" (0.47mm/0.56mm) AVG WALL

COND # COLOR

1 WHT
3 ORN

COND # COLOR

2 GRN

CABLING:

THREE 20 AWG COMPONENTS AND 20 AWG 19/32TC DRAIN WIRE WITH FILLERS ARE CABLED TOGETHER USING A LEFT HAND LAY.

BRAID SHIELD:

CONDUCTOR:

8 ENDS 36 AWG TINNED COPPER
85% MIN. COVERAGE

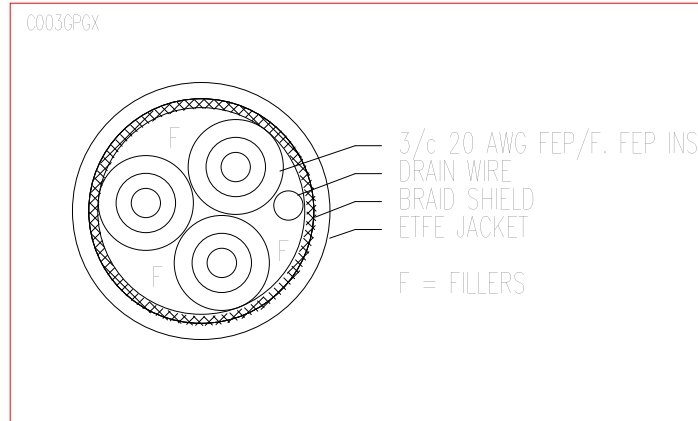
OVERALL JACKET:

ETFE BLACK
.321" (8.15mm) NOM OD
.020" (0.51mm) AVG WALL

DURABILITY OF INK PRINT PASSES UL STANDARD 2556 SECTION 7.16

HITACHI CABLE AMERICA 900 Holt Avenue-East Industrial Park Manchester, N.H. 03109 (603) 669-4347	Drawn By: PFA Date: 07/30/15 Checked By: KDA Date: 08/03/15 Issued By: PFA Date: 07/30/15	REV#
	THIS PRODUCT MADE IN THE U.S.A.	
ITEM: 41473-0003-AH5-UB0-000-S-01000-5175-00	PAGE 1 of 3 Approved By: Date:	

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MARKING:

THE CABLE IS IDENTIFIED WITH THE FOLLOWING PRINT LEGEND:
**HITACHI CABLE AMERICA - HCM 41473 - 3/C 20 AWG
CANBUS CABLE**

- ZZ/DD/YY (XXXX)

WHERE: ZZ = MONTH OF MFG.

DD = DATE OF MFG.

YY = YEAR OF MFG.

XXXX = JOB NUMBER

AGENCY APPROVALS:

NON-UL PRODUCT

ROHS & REACH COMPLIANT

NFPA 130-2010 FLAME TEST TO UL 1685/IEEE1202

TOXICITY:

BSS 7239

ASTM E 662

FLAME: IEC 60332-3-25 PENDING.

TOXICITY: BS 6853 ANNEX B.1 PENDING.

SMOKE DENSITY: IEC 61034-2 PENDING.

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ELECTRICAL & PHYSICAL CHARACTERISTICS:

DC RESISTANCE:	9.76 OHMS/1000 FT NOM. .032 OHMS /m NOM.										
DIFF IMPEDANCE:	120 OHMS +/- 10% TDR										
CAPACITANCE COND TO COND:	12.0 pF/FT NOM. 39.4 pF/m NOM.										
CAPACITANCE COND TO SHIELD:	20.0 pF/FT NOM. 65.6 pF/m NOM.										
TIME DELAY:	1.48 ns/FT MAX. 4.86 ns/m MAX.										
ATTENUATION dB/100m:	<table><thead><tr><th>F (MHz)</th><th>MAX. dB/100m</th></tr></thead><tbody><tr><td>0.25</td><td>0.67</td></tr><tr><td>1.0</td><td>1.35</td></tr><tr><td>2.0</td><td>1.80</td></tr><tr><td>3.0</td><td>2.3</td></tr></tbody></table>	F (MHz)	MAX. dB/100m	0.25	0.67	1.0	1.35	2.0	1.80	3.0	2.3
F (MHz)	MAX. dB/100m										
0.25	0.67										
1.0	1.35										
2.0	1.80										
3.0	2.3										
INSULATION RESISTANCE:	$\geq 6500 \text{ M}\Omega\text{-}1000 \text{ FT}$ $\geq 2000 \text{ M}\Omega\text{-Km}$										
Test Voltage Hi-pot:	1200V AC 60Hz for 15 sec										
SHIELD RESISTANCE:	2.0 OHMS /1000 FT NOM. .007 OHMS /m @ 20C NOM.										
TEMPERATURE RANGE:	-40C to + 150C										
VOLTAGE RATING:	300V										
CABLE WEIGHT:	87.5 POUNDS/1000 FT NOM. 130.0 Kg/Km NOM.										