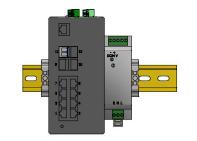
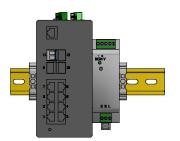
# HOUSING OPTIONS FOR FIBER CONVERTERSPROCESS AREACONTROL ROOM



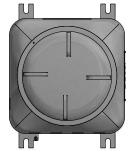
NONRATED DIN RAIL MOUNT

Part numbers for NON POE VC11954-100 -For Singlemode VC12072-100 -For Multimode

Part numbers for POE VC12081-100 -For Singlemode VC12086-100 -For Multimode



NONRATED DIN RAIL MOUNT

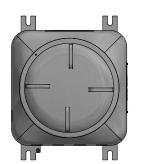


WALL MOUNTED ALUMINUM ENCLOSURE CLASS I DIV I / CLASS I DIV II RATED

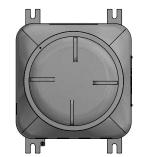


WALL MOUNTED FIBERGLASS ENCLOSURE NEMA 4X WP/IP RATED

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WALL MOUNTED ALUMINUM ENCLOSURE CLASS I DIV I / CLASS I DIV II RATED



Part numbers for NON POE VC11954-200 -For Singlemode VC12072-200 -For Multimode

Part numbers for POE VC12081-200 -For Singlemode VC12086-200 -For Multimode

Part numbers for NON POE VC11954-300 -For Singlemode VC12072-300 -For Multimode

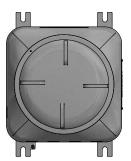
Part numbers for POE VC12081-300 -For Singlemode VC12086-300 -For Multimode

Part numbers for NON POE VC11954-400 -For Singlemode VC12072-400 -For Multimode

Part numbers for POE VC12081-400 -For Singlemode VC12086-400 -For Multimode

# Part numbers for NON POE VC11954-500 -For Singlemode VC12072-500 -For Multimode

Part numbers for POE VC12081-500 -For Singlemode VC12086-500 -For Multimode



WALL MOUNTED ALUMINUM ENCLOSURE CLASS I DIV I / CLASS I DIV II RATED



WALL MOUNTED FIBERGLASS ENCLOSURE NEMA 4X WP/IP RATED



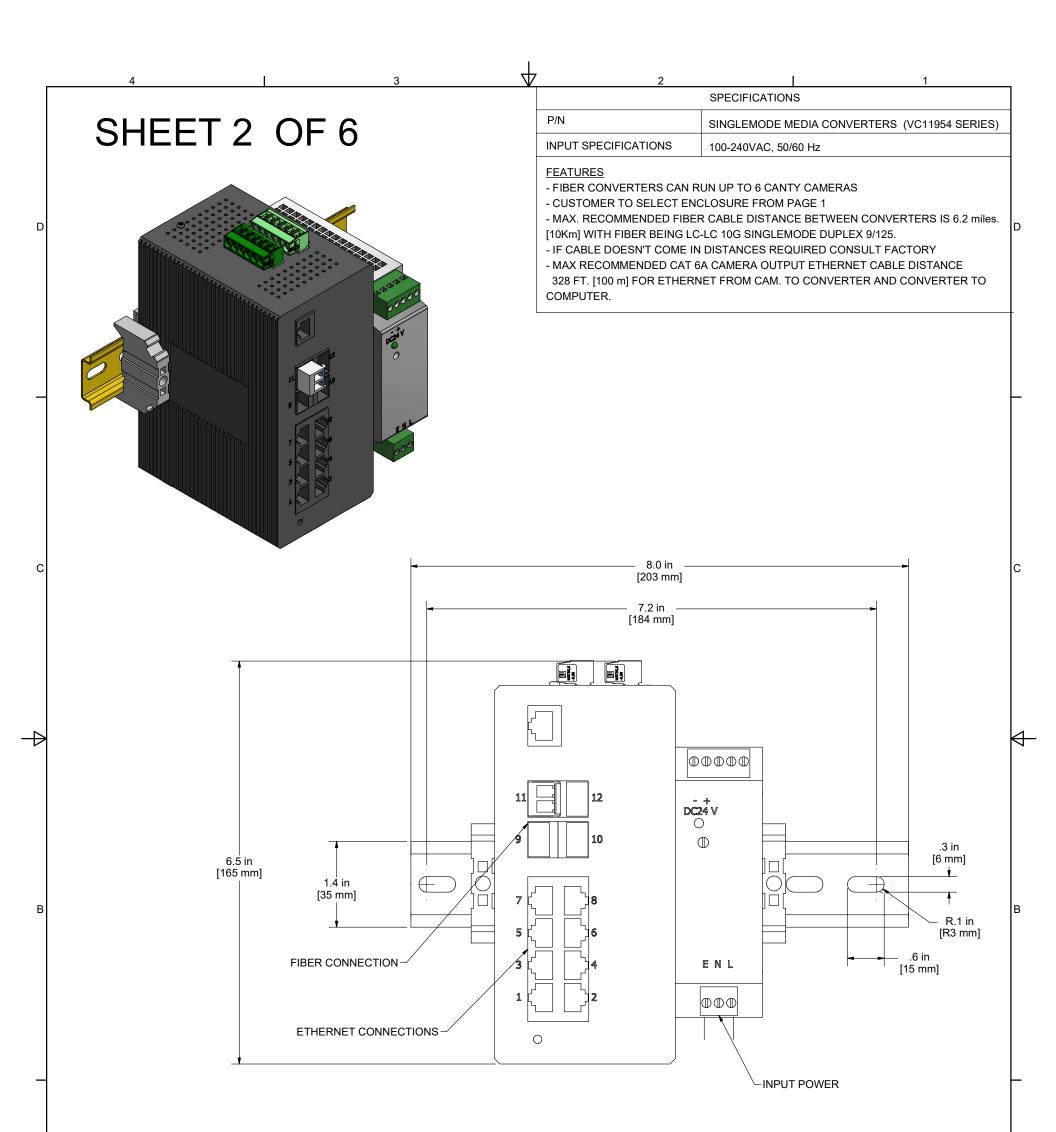
WALL MOUNTED FIBERGLASS ENCLOSURE NEMA 4X WP/IP RATED



NONRATED DIN RAIL MOUNT

### WALL MOUNTED ALUMINUM ENCLOSURE CLASS I DIV I / CLASS I DIV II RATED

Part numbers for NON POE VC11954-600 -For Singlemode -----VC12072-600 -For Multimode Part numbers for POE VC12081-600 -For Singlemode 2 2 VC12086-600 -For Multimode WALL MOUNTED FIBERGLASS ENCLOSURE NONRATED DIN RAIL MOUNT NEMA 4X WP/IP RATED NOTICE DRAWN BY DATE IMPORTANT FOR THE REQUIRED J.M. CANTY INC. 6100 DONNER RD. BUFFALO, N.Y. 14094 U.S.A. J.M. CANTY INTL. LTD. BALLYCOOLIN BUS. PK G IS THE P BLC 11/15/2017 CANTY MANUFACTURING APPROVAL DATE DUBLIN 15. IRFLAND PON WWW.JMCANTY.COM SPECIFICATIONS SEE BLC 6/15/2022 DOCUMENT #A4955 ENGINEERING ANAL DATE SALES DRAWING/ GENERAL UNDERSTANDING CURRENT NOTE: FAILURE TO SHEET 1 OF 6 OF CANTY CAMERA/ANALYZER CONNECTIVITY MEG. APPROVA RECEIVE DOCUMENT DOES NOT WAIVE PENDING REVISION FILE NAME . QUIRE HIS KEEP TA11950-1024 R3 VENDOR QUALITY CONTRO 3 RESPONSIBILITY SHEET 1 OF 6 SCALE AS NOTED SIZE D 4

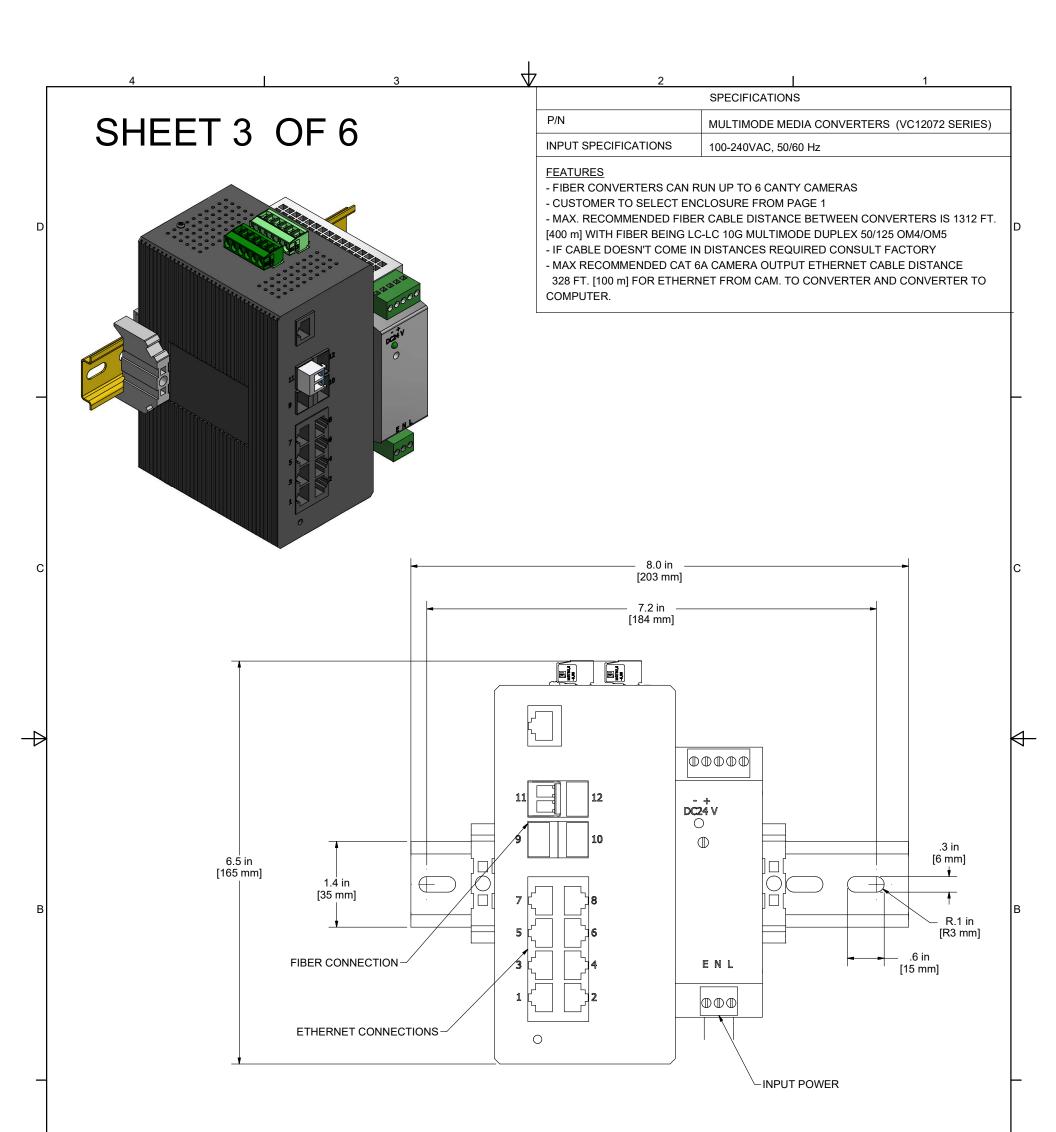


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1. SEE SHEET 1 FOR FIBER CONVERTER HOUSING OPTIONS.

2. SHOWN DIN-RAIL COMPONENTS REFERENCE HEIGHT IS 5.1 IN [130 mm]

NOTICE	IMPORTANT	DRAWN BY	DATE				١,
THIS DRAWING IS THE PROPERTY OF J.M. CANTY AND MUST BE REFURNED	FOR THE REQUIRED	BLC	11/15/2017	6100 DONNER RD.		BALLYCOOLIN BUS. PK.	A
WITHOUT REPRODUCTION OR DUPLICATION, AT ANY TIME UPON	MANUFACTURING	APPROVAL	DATE	U.S.A.	FALO, N.Y. 14094   WWW.JMCANTY.COM   BLANCHARDSTOWN DUBLIN 15, IRELAND     ES DRAWING/ GENERAL UNDERSTANDING CANTY CAMERA/ANALYZER CONNECTIVITY     SION   FILE NAME TA11950-1024_R3		
REQUEST, BUT IN ANY EVENT AS SOON AS IT HAS SERVED THE	SPECIFICATIONS SEE	BLC	6/15/2022		VVVVV.JMCANT	Y.COM	-
PURPOSE FOR WHICH IT WAS	DOCUMENT #A4955	ENGINEERING ANALYSIS	DATE				
POSSESSION OF THE RECIPIENT, IT MUST BE PROPERLY SAFEGUARDED	NOTE: FAILURE TO	CURRENT					
AGAINST DISCLOSURE TO ANYONE EXCEPT THOSE EMPLOYEES WHO	RECEIVE DOCUMENT	MFG. APPROVAL	DATE	OF CANTY CA	YZER CONNECTIVITY		
REQUIRE IT FOR WORK OR JOB. THE RECIPIENT MUST KEEP		PENDING		REVISION FIL	-E NAME		1
CONFIDENTIAL AND REQUIRE HIS (HER) EMPLOYEES TO KEEP		QUALITY CONTROL	DATE	3 T.	A11950-1024_	_R3	
CONFIDENTIAL THE INFORMATION CONTAINED HERE ON.	RESPONSIBILITY			SCALE AS NOTED	SIZE C	SHEET 2 OF 6	1
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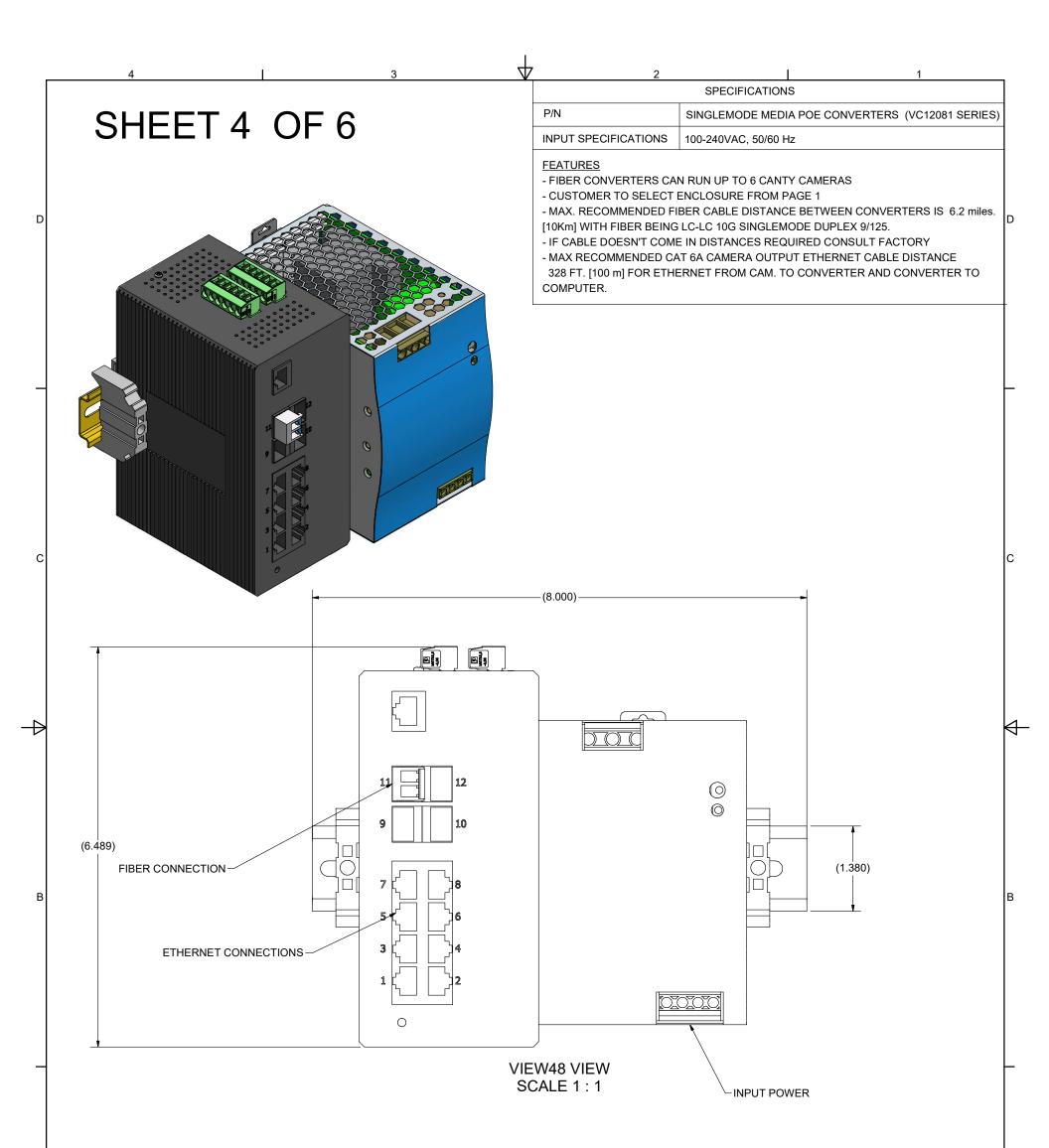


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1. SEE SHEET 1 FOR FIBER CONVERTER HOUSING OPTIONS.

2. SHOWN DIN-RAIL COMPONENTS REFERENCE HEIGHT IS 5.1 IN [130 mm]

NOTICE	IMPORTANT		DATE		<b>a</b>		١,
THIS DRAWING IS THE PROPERTY OF J.M. CANTY AND MUST BE RETURNED WITHOUT REPRODUCTION OR	FOR THE REQUIRED	BLC	11/15/2017	6100 DONNER RD.		BALLYCOOLIN BUS. PK.	<sup>A</sup>
DUPLICATION, AT ANY TIME UPON	MANUFACTURING	APPROVAL	DATE	BUFFALO, NY, 14094 U.S.A. UNANY INCANTY COM			
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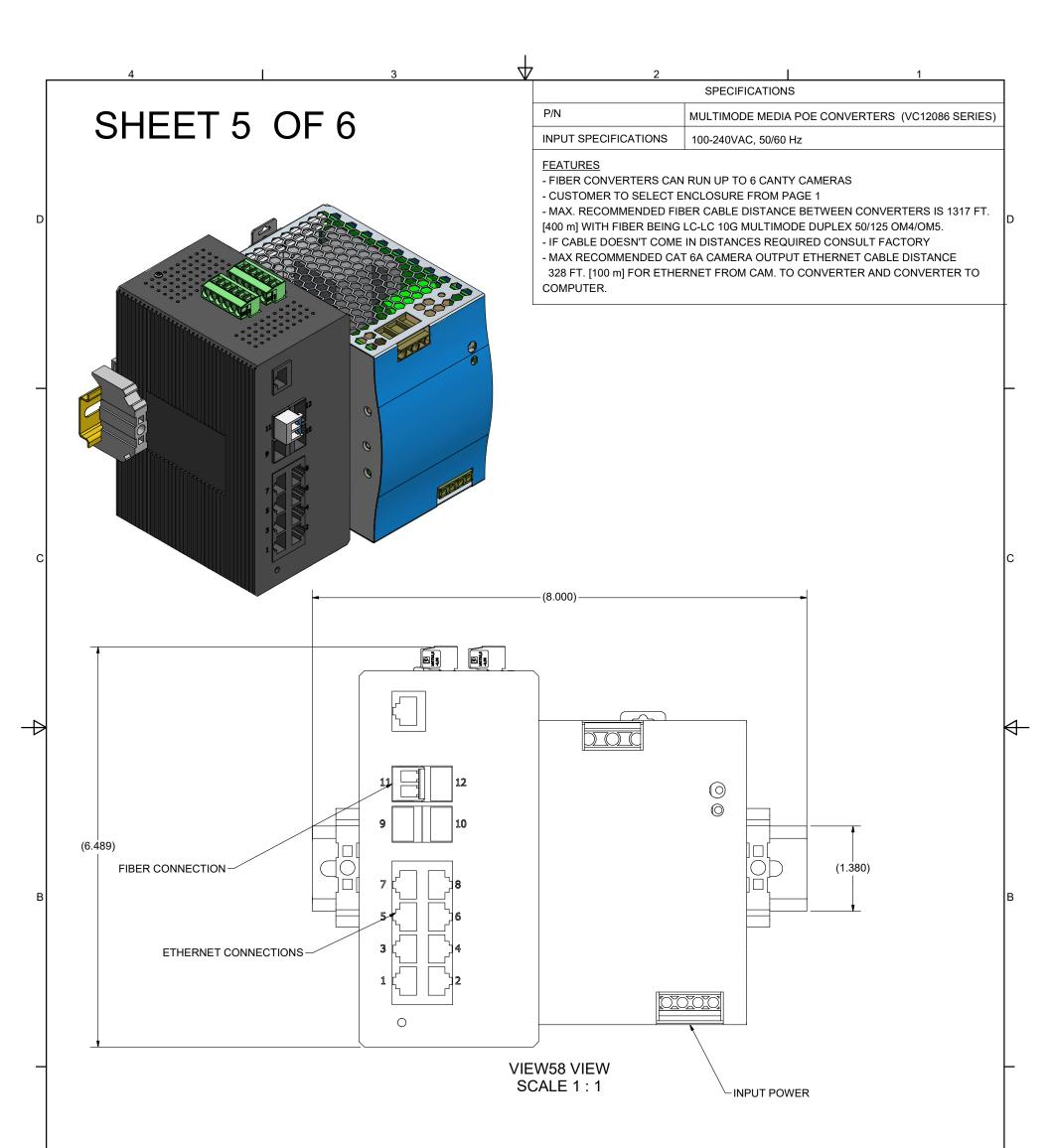


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1. SEE SHEET 1 FOR FIBER CONVERTER HOUSING OPTIONS.

2. SHOWN DIN-RAIL COMPONENTS REFERENCE HEIGHT IS 5.75 IN [146 mm]

NOTICE THIS DRAWING IS THE PROPERTY OF J.M. CANTY AND MUST BE RETURNED WITHOUT REPRODUCTION OR DUPLICATION, AT ANY TIME UPON REQUEST, BUT IN ANY EVENT AS SOON AS IT HAS SERVED THE	IMPORTANT FOR THE REQUIRED MANUFACTURING SPECIFICATIONS SEE	DRAWN BY BLC APPROVAL BLC	DATE 11/15/2017 DATE 6/15/2022	J.M. CANTY INC. 6100 DONNER RD BUFFALO, N.Y. 1409 U.S.A.		BLANCHARDSTOWN	A
PURPOSE FOR WHICH IT WAS FURNISHED. WHILE IN THE POSSESSION OF THE RECIPIENT, IT MUST BE PROPERLY SAFEGUARDED AGAINST DISCLOSURE TO ANYONE EXCEPT THOSE EMPLOYEES WHO REQUIRE IT FOR WORK OR JOB. THE RECIPIENT MUST KEEP CONFIDENTIAL AND REQUIRE HIS (HER) EMPLOYEES TO KEEP CONFIDENTIAL THE INFORMATION	DOESNOTWAIVE	ENGINEERING ANALYSIS CURRENT MFG. APPROVAL PENDING QUALITY CONTROL	DATE DATE DATE	D22 TITLE SALES DRAWING/ GENERA OF CANTY CAMERA/ANALY REVISION TA11950-1024_		RCONNECTIVITY	
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1. SEE SHEET 3 FOR FIBER CONVERTER HOUSING OPTIONS.

2. SHOWN DIN-RAIL COMPONENTS REFERENCE HEIGHT IS 5.75 IN [146 mm]

NOTICE THIS DRAWING IS THE PROPERTY OF		DRAWN BY	DATE 11/15/2017			MTV			
J.M. CANTY AND MUST BE RETURNED WITHOUT REPRODUCTION OR		APPROVAL	DATE	BUFFALO, N.Y. 14	D. 094	VIN T T	BLANCHAR	RDSTOWN	•
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PURPOSE FOR WHICH IT WAS FURNISHED. WHILE IN THE	DOCUMENT #A4955	ENGINEERING ANALYSIS	DATE						
POSSESSION OF THE RECIPIENT, IT MUST BE PROPERLY SAFEGUARDED	NOTE: FAILURE TO	CURRENT				-		-	
AGAINST DISCLOSURE TO ANYONE EXCEPT THOSE EMPLOYEES WHO REQUIRE IT FOR WORK OR JOB. THE	RECEIVE DOCUMENT	PORTANT     HE REQUIRED     HE REQUIRED     FACTURING     FACTURING     ICATIONS SEE     MENT #A4955     FAILURE TO     E DOCUMENT     NOT WAIVE     ENDOR     QUALITY CONTROL   DATE     SALES DRAWING/ GENERAL UNDERSTANDING     OF CANTY CAMERA/ANALYZER CONNECTIVITY     PENDING     QUALITY CONTROL   DATE     SALES DRAWING/ GENERAL UNDERSTANDING     OF CANTY CAMERA/ANALYZER CONNECTIVITY							
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(HER) EMPLOYEES TO KEEP CONFIDENTIAL THE INFORMATION	IMPORTANT   BLC   11/15/2017   J.M. CANTY INC. BIUFALO, N.Y. 14094   CANTY   J.M. CANTY INTL. LTD. BALLYCOOLIN BUS. PK. BUFALO, N.Y. 14094     MANUFACTURING MANUFACTURING SPECIFICATIONS SEE DOCUMENT #A4955   BLC   DATE   BUFALO, N.Y. 14094   WW.JMCANTY.COM   J.M. CANTY INTL. LTD. BUFALO, N.Y. 14094   DATE   BLC   BLC   BLC   BLC   BUFALO, N.Y. 14094   WW.JMCANTY.COM   DATE   DATE   BLC   BLC   BLC   BLC   BLC   BLC   BUFALO, N.Y. 14094   WW.JMCANTY.COM   BLC   BLC	_							
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# **CANTY CAMERA / ANALYZER CONNECTIVITY**

## ETHERNET REQUIREMENTS AND RESTRICTIONS:

GOOD NETWORK PRACTICE RECOMMENDS USE OF NO LONGER THAN 328 FT [100 M] PER RUN BETWEEN CAMERA / ANALYZER AND VCM. ETHERNET CABLE MUST BE CAT 6A OR GREATER. USE OF SWITCHES AND HUBS ARE **NOT RECOMMENDED**.

# **GOOD ETHERNET PRACTICE**

### CAMERA/ANALYZER

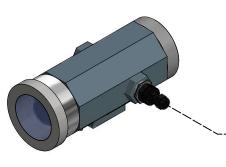
VECTOR CONTROL MODULE



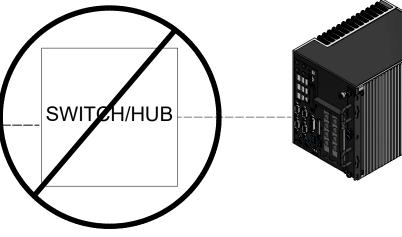
ETHERNET CABLE (CAT 6E OR BETTER) LESS THAN 328 FT [100M] DIRECT TO VCM, NO SWITCHES OR HUBS



# **BAD ETHERNET PRACTICE**

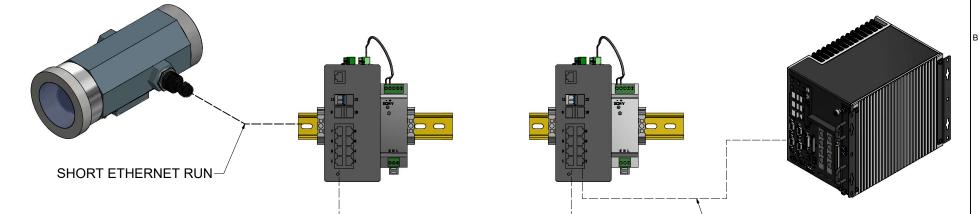


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WHEN DISTANCES ARE GREATER THAN 328 FT [100 M], USE OF FIBER IS REQUIRED.

# PROPER USE OF FIBER CONVERTER/CABLING





└-SHORT ETHERNET RUN

### FIBER CONVERTER/CABLE REQUIREMENTS:

-CANTY REQUIRES FIBER OPTIC CONVERTERS TO SUPPORT GIGABIT & JUMBO FRAMES. IT IS **STRONGLY** RECOMMENDED THAT CANTY SUPPLIES CONVERTERS SO WE CAN ENSURE SYSTEM COMPATIBILITY.

-MAX FIBER CABLE DISTANCE IS 6.2 MILES [10 KM]. SEE PART NUMBER SERIES SPEC SHEETS FOR SPECIFICS ON EACH MODEL OFFERED.

-UPTO 7 ETHERNET CAMERA SYSTEMS OVER 1 FIBER

					NOTICE THIS DRAWING IS THE PROPE J.M. CANTY AND MUST BE RET WITHOUT REPRODUCTION OR DUPLICATION, AT ANY TIME UI REQUEST, BUT IN ANY EVENT SOON AS IT HAS SERVED THE	PON AS	RNED FOR THE REQUIRED BLC 11713/2017 6100 DONNER RD.   NN MANUFACTURING APPROVAL DATE BUFSALLO, N.Y. 14094   S SPECIFICATIONS SEE BLC 6/15/2022 WWW.JMCAN						BLANCHARDSTOWN	
SHEET 6 OF 6				PURPOSE FOR WHICH IT WAS FURNISHED. WHILE IN THE POSSESSION OF THE RECIPIE MUST BE PROPERLY SAFEGU AGAINST DISCLOSURE TO AN EXCEPT THOSE EMPLOYEES V REQUIRE IT FOR WORK OR JO	INT, IT ARDED YONE WHO	DOCUMENT #A4955 NOTE: FAILURE TO RECEIVE DOCUMENT DOES NOT WAIVE	ENGINEERING ANALYSIS CURRENT MFG. APPROVAL PENDING	DATE	SALES DRAWING/ GENERAL UNDERSTANDING OF CANTY CAMERA/ANALYZER CONNECTIVITY					
				RECIPIENT MUST KEEP CONFIDENTIAL AND REQUIRE (HER) EMPLOYEES TO KEEP CONFIDENTIAL THE INFORMAT CONTAINED HERE ON.			-	DATE		TA11950-102	4_R3	SHEET 6 OF 6		
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