

PART NO.	CABLE LENGTH +5%/-0
31186-1210	10 FT
31186-1220	20 FT
31186-1230	30 FT.
31186-1250	50 FT.
31186-1275	75 FT
31186-12100	100FT
31186-12150	150 FT

- NOTES (UNLESS OTHERWISE INDICATED):
- MAT'L: MS3116F12-10S, 37048-003 CABLE (PVC JACKET)
  - OPERATING TEMP -40 TO +80°C
  - STANDARD BEI (SENSATA) PINOUT/WIRE COLOR

TWISTED PAIR	COLOR	PIN	WIRE GAGE
PAIR 1	YELLOW	A	AWG 24
	WHT/YELLOW	H	
PAIR 2	BLUE	B	
	WHT/BLUE	J	
PAIR 3	ORANGE	C	AWG 22
	WHT/ORN	K	
PAIR 4	RED	D	
	BLACK	F	

- APPLICATION NOTES:
- FOR USE WITH DIFFERENTIAL LINE DRIVER ENCODERS OR THOSE WITH COMPLIMENTARY OUTPUTS, M12 CONNECTOR.
  - CABLE SHIELD IS NOT CONNECTED AT CONNECTOR. SHIELD CONNECTION MAY BE REQUIRED AT CONTROLLER END FOR SAFETY AND NOISE IMMUNITY.

UNCONTROLLED COPY

FIRST ISSUE DATE: 05/07/19

DRAWN: DRC

APPROVED: MFB

DATE: 05/07/19

ECN:

DATE:


MATERIAL:

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INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES[MILLIMETERS] AND ARE INTENDED AS NOMINAL SEE PRODUCT SPECIFICATIONS FOR MORE DETAILS.

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

BEI SENSORS  
1461 LAWRENCE DRIVE  
THOUSAND OAKS, CA 93120

TITLE  
M12 CONNECTOR  
AND CABLE ASSEMBLY

SIZE  
B

DWG NO.  
09911-004

REV.  
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SCALE 1:2  
SOLIDWORKS  
SHEET 1 OF 1