3M™ USB3 VISION INDUSTRIAL CAMERA CABLE ASSEMBLY, 1U30G SERIES

- USB3.0 SUPER SPEED DATA TRANSFER RATES UP TO 5Gbps
- HIGH TRANSmission CHARACTERISTICS THAT ENABLES OVER 6m TRANSMISSION
- HIGH FLEX LIFE CABLE OF OVER 50 MILLION CYCLES* FOR BENDING/SLIDING
  APPLICATION. (*WITH DRAG CHAIN AT 500mm)
- SECURE CONNECTION WITH LOCKING SCREW
- ROHS COMPLIANT

CN-1: MICRO-B CONNECTOR

CN-2: STANDARD-A CONNECTOR

LABEL

1U30G-MB2X-SAX
-XXX-XX
YYYYYYYY

3M PART NUMBER
LOT ID

CE MARK LABEL (OPTIONAL)
SEE ORDERING INFORMATION ON SHEET 4
3M™ USB3 VISION INDUSTRIAL CAMERA CABLE ASSEMBLY, 1U30G SERIES

MICRO-B CONNECTOR RIGHT ANGLE TYPE (UP/DOWN)

LABEL

1U30G-MB2X-SAX
-XXX-XX

LOT 10
3M PART NUMBER

CN-1: MICRO-B CONNECTOR

24.4

(11.2)

(16.0)

19.8

(100)

18.0

(8.4)

PIN 1
PIN 10

1U30G-MB2U-SAX-XXX
1U30G-M32D-SAX-XXX

CN-2: STANDARD-A CONNECTOR

27.4

(14.3)

(9.0)

36.4

11.8

(8.0)

(11.2)

22.0

HARNESS LENGTH (SEE NOTE1)

"SA2" WITH LOCKING SCREW

"SA1" WITHOUT LOCKING SCREW

NOTE

1 THE TOLERANCE OF HARNESs LENGTH IS LARGER VALUE OF EITHER +50mm/0 OR +3%/0 OF ORDER LENGTH

CE MARK LABEL (OPTIONAL)
SEE ORDERING INFORMATION ON SHEET 4
3M™ USB3 VISION INDUSTRIAL CAMERA CABLE ASSEMBLY, 1U30G SERIES

PIN ASSIGNMENT

<table>
<thead>
<tr>
<th>CN-1 (MICRO-B)</th>
<th>CABLE</th>
<th>CN-2 (STANDARD-A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>VBUS</td>
<td>VBUS</td>
</tr>
<tr>
<td>2</td>
<td>D-</td>
<td>D-</td>
</tr>
<tr>
<td>3</td>
<td>D+</td>
<td>D+</td>
</tr>
<tr>
<td>4</td>
<td>NC</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>GND</td>
<td>GND.PowRT</td>
</tr>
<tr>
<td>6</td>
<td>VIEB.SSTX-</td>
<td>S0P1-</td>
</tr>
<tr>
<td>7</td>
<td>VIEB.SSTX+</td>
<td>S0P1+</td>
</tr>
<tr>
<td>8</td>
<td>GND.Drain</td>
<td>Drain for S0P1,2</td>
</tr>
<tr>
<td>9</td>
<td>VIEB.SSRX-</td>
<td>S0P2-</td>
</tr>
<tr>
<td>10</td>
<td>VIEB.SSRX+</td>
<td>S0P2+</td>
</tr>
<tr>
<td>SHELL</td>
<td>Braid shield</td>
<td>SHELL</td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

1U30G-MB2X-SAX-XXX-XX

CN-1 CONNECTOR:
MB2 = MICRO-B WITH LOCKING SCREW

CONNECTOR ANGLE, CABLE EXIT DIRECTION FOR MICRO-B (SEE SHEETS 2 & 3)
BLANK = STRAIGHT
U = RIGHT ANGLE, UP
D = RIGHT ANGLE, DOWN
L = RIGHT ANGLE, LEFT
R = RIGHT ANGLE, RIGHT

CN-2 CONNECTOR:
SA1 = STANDARD-A STRAIGHT, WITHOUT LOCKING SCREW
SA2 = STANDARD-A STRAIGHT, WITH LOCKING SCREW

CE MARK OPTION
BLANK = NO MARK
CE = WITH CE MARK LABEL (ex: 1U30G-MB2X-SAX-XXX-CE)

HARNESS LENGTH (ex. 1U30G-MB2X-SAX-050-XX) 0.5m
1U30G-MB2X-SAX-050-XX 0.5m
1U30G-MB2X-SAX-100-XX 1m
1U30G-MB2X-SAX-150-XX 1.5m
1U30G-MB2X-SAX-200-XX 2m
1U30G-MB2X-SAX-250-XX 2.5m
1U30G-MB2X-SAX-300-XX 3m
1U30G-MB2X-SAX-350-XX 3.5m
1U30G-MB2X-SAX-400-XX 4m
1U30G-MB2X-SAX-450-XX 4.5m
1U30G-MB2X-SAX-500-XX 5m
1U30G-MB2X-SAX-600-XX 6m
1U30G-MB2X-SAX-700-XX 7m
1U30G-MB2X-SAX-800-XX 8m

OTHER LENGTHS AVAILABLE BY SPECIAL ORDER, CONTACT 3M FOR DETAIL.
Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's control can affect the use and performance of a 3M product in a particular application.

Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product.

3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OR TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M Company
Electronics Materials Solutions Division
13011 McCallen Pkwy, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
www.3M.com/interconnect