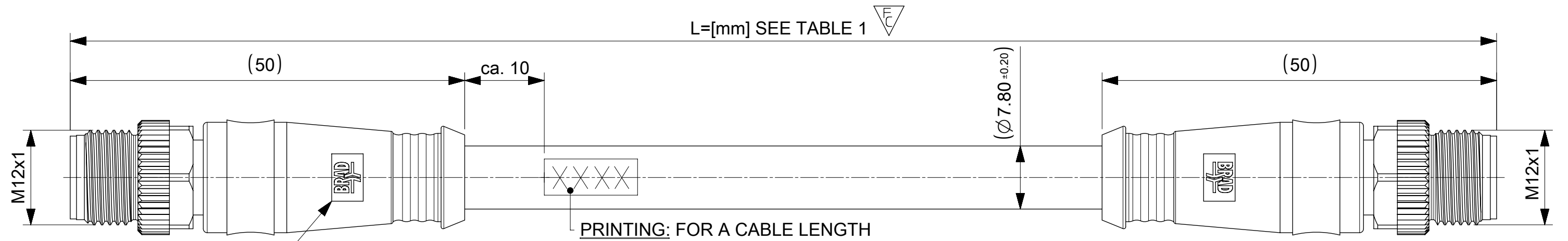


SCALE 5:1



EXAMPLE FOR CABLE PRINTING:  
Moxlex Connectivity GmbH [15mm] Material-No. from table 1 [8mm] Prod.Date [8mm] Cable length

PRINTING: FOR A CABLE LENGTH LONGER THAN 500mm PRINTED ON BOTH ENDS!

SCALE 2:1

**DESCRIPTION:**  
M12 HYBRID CORDSET APPLICATIONS  
TRANSMISSION AFTER CAT5e (SIGNAL CONTACTS ONLY)  
SPECIAL CODING

**ELECTRICAL DATA:**  
SIGNAL: 4 POLES  
MAX. VOLTAGE: 30V  
MAX. CURRENT: 1.5A at 55°C  
CONTACT RESISTANCE: <5 mOhm  
INSULATION WITHSTAND: >100 MOhm  
IMPEDANCE: 100 Ohm  
HF PERFORMANCE TESTINGS: LIMITS CLASS D/CAT5e,  
ACCORDING ISO IEC 11801/TIA-568-C.2 "PERMANENT LINK"

**POWER:**  
MAX. VOLTAGE: 30V  
MAX. CURRENT: 6A at 55°C  
CONTACT RESISTANCE: <5 mOhm  
INSULATION WITHSTAND: >100 MOhm

**ENVIROMENTAL:**  
PROTECTION: IP67  
TEMPERATURE RANGE: -25°C to 75°C

**PACKAGING:**  
THE CORDSET IS PACKED AND SHIPPED OUT IN A CARDBOARD BOX

- 1 - POWER 0V
- 2 - POWER 0V Last
- 3 - POWER 24V Last
- 4 - POWER 24V
- 5 - SIGNAL TX+
- 6 - SIGNAL RX-
- 7 - SIGNAL TX-
- 8 - SIGNAL RX+
- SHIELDING / GND

CUSTOMER PRODUCT APPROVAL

APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

MUST BE SIGNED AND RETURNED BEFORE PRODUCTION WILL BEGIN

**WIRING DIAGRAM, CONNECTION: INLINE**

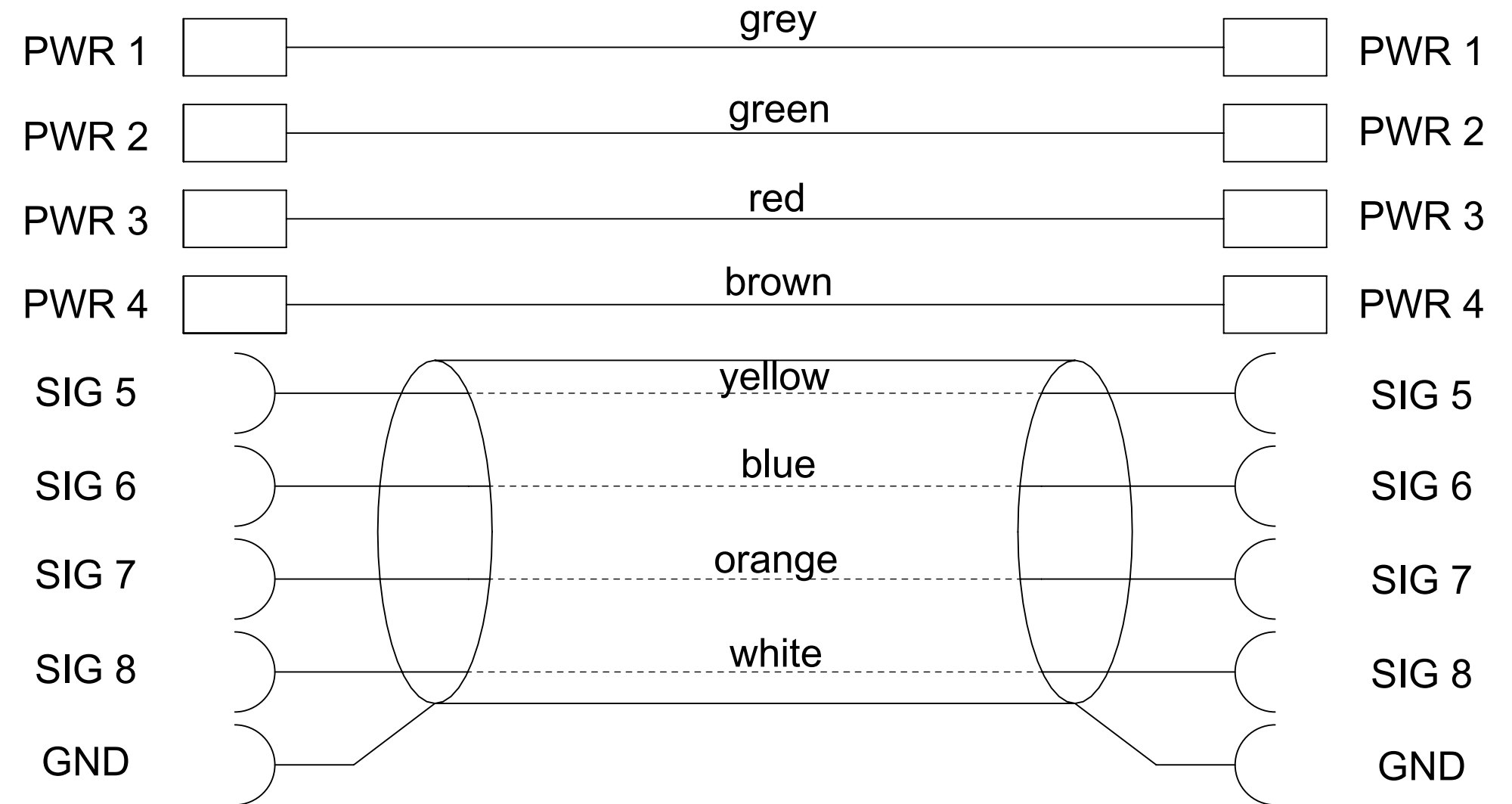
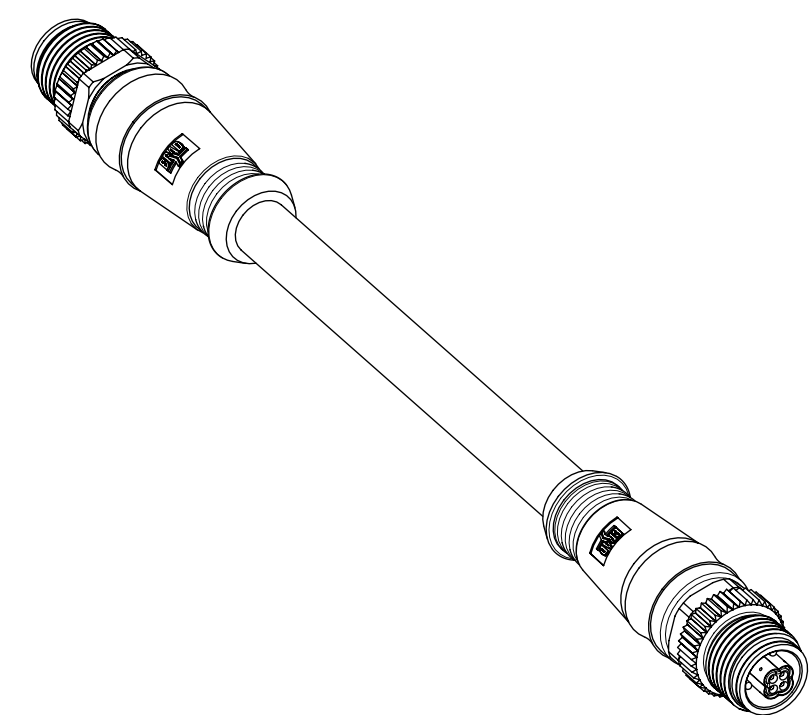


TABLE 1

| MOLEX P/N  | Description                               | Length / mm | Tolerance |
|------------|---|-------------|-----------|
| 1202440200 | CSE M12 CHT 8P 4+4P MAFE STR PUR 0,25M DE | 250         | ±10       |
| 1202440201 | CSE M12 CHT 8P 4+4P MAFE STR PUR 0,5M DE  | 500         | ±10       |
| 1202440202 | CSE M12 CHT 8P 4+4P MAFE STR PUR 1M DE    | 1000        | +30/-10   |
| 1202440203 | CSE M12 CHT 8P 4+4P MAFE STR PUR 1,5M DE  | 1500        | ±25       |
| 1202440204 | CSE M12 CHT 8P 4+4P MAFE STR PUR 2M DE    | 2000        | ±25       |
| 1202440205 | CSE M12 CHT 8P 4+4P MAFE STR PUR 5M DE    | 5000        | ±25       |
| 1202440206 | CSE M12 CHT 8P 4+4P MAFE STR PUR 8M DE    | 8000        | ±30       |
| 1202440207 | CSE M12 CHT 8P 4+4P MAFE STR PUR 10M DE   | 10000       | ±30       |
| 1202440208 | CSE M12 CHT 8P 4+4P MAFE STR PUR 15M DE   | 15000       | ±30       |

**BOM**

| Quantity | Descriptions                                   |
|----------|--|
| 2        | INSERT M12 MA 8P 0C CSE PUR BK SHLD            |
| 2        | INSERT M12 FE 4P 0C CSE NIL BK SHLD            |
| 8        | CONTACT 6 FE TUR NI CR WRA 0.14-0.25           |
| 8        | CONTACT M12 MA NI2AU0.8 F075                   |
| 2        | SHELL M12 FE BRASS NI REC M12                  |
| 2        | SHELL M12 FE BRASS NI REC M12                  |
| 2        | SHELL M12 MF PP L6,5 CORDSET M12               |
| 2        | NUT M12 BRASS NI MA HEX                        |
| 1        | CABLE 4AWG19+2X2XAWG26 PUR GY D8 UL SH DYN     |
| 2        | Overmolding UL M12 straight-9.2mm              |
| 2        | Copper tape tinned 10x20mm / PAGE 3 / DETAIL R |



|   |   |   |   |                       |
|---|---|---|---|-----------------------|
| FUNCTIONAL SYMBOLS                                      | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |   |   |                       |
|   | $\nabla_A = 0$<br>$\nabla_C = 1$<br>$\nabla_P = 0$  | DIMENSION UNITS: <b>mm</b><br>SCALE: <b>1:1</b> |   |                       |
| DIVISIONAL SYMBOLS                                      | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>ANGULAR TOL ± °  |   | EC NO: 736317<br>DRWN: ARPITT 2023/01/26<br>CHK'D: RSILLER 2023/01/26<br>APPR: RSILLER 2023/01/26 |                       |
|   | 4 PLACES ±<br>3 PLACES ±<br>2 PLACES ± 0.05<br>1 PLACE ± 0.1<br>0 PLACES ±  |   | INITIAL REVISION:<br>DRWN: RSCHIEBER 2020/07/15<br>APPR: RSILLER 2020/08/24                       |                       |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS    |   | THIRD ANGLE PROJECTION                          | DRAWING: <b>A2-SIZE</b>   | SERIES: <b>120244</b> |
| DOCUMENT STATUS: P1   RELEASE DATE: 2023/01/26 15:05:46 |   | MATERIAL NUMBER: SEE TABLE 1                    | CUSTOMER: GENERAL MARKET  | SHEET NUMBER: 1 OF 1  |