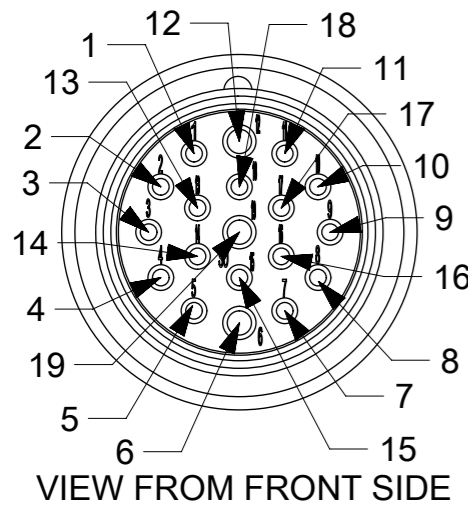


M23 19P FEMALE

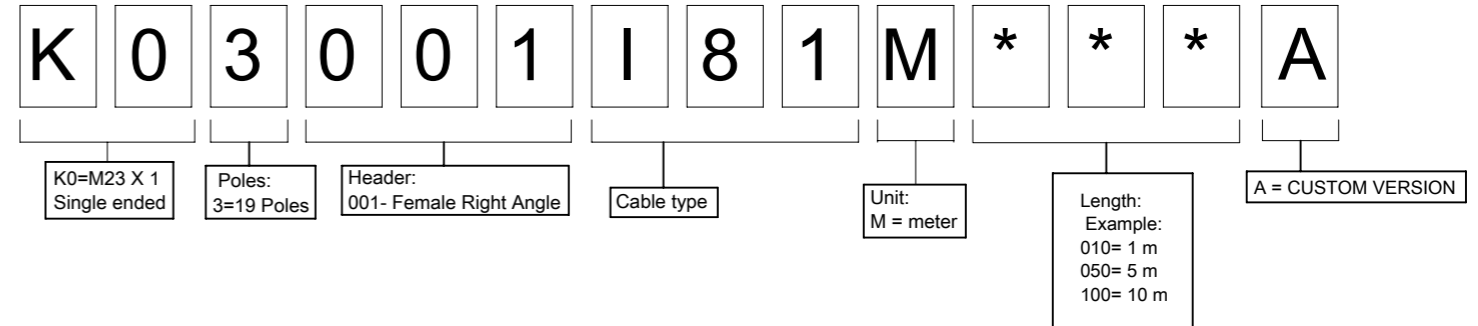


Pin	Wire color
1	VT
2	RD
3	GY
4	RD-BU
5	GN
6	BU
7	GY-PK
8	WH-GN
9	WH-YE
10	WH-GY
11	BK
12	GN-YE
13	YE-BN
14	BN-GN
15	WH
16	YE
17	PK
18	GY-BR
19	BN

TECHNICAL INFORMATION :

- NUMBER OF POSITIONS : 6
- VOLTAGE : 63 V AC / DV
- CURRENT : 6 A
- PROTECTION : IP 67 (CONNECTED)
- TEMPERATURE RANGE (FIXED): -25°C TO +90°C

PART No MATRIX



CABLE TYPE :

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
I81	19	0.34mm²/0.75mm²	PVC GREY	-	-	-25°C to +70°C, >10xO.D.	-5°C to +70°C, >15xO.D.	1 000 000 cycles, Velocity : 120m/min	YES
			PUR ETHER	21441	C22.2 standard	-30°C to +80°C, >10xO.D.	-	2 000 000 cycles, Velocity : 120m/min	YES (CUSTOM)

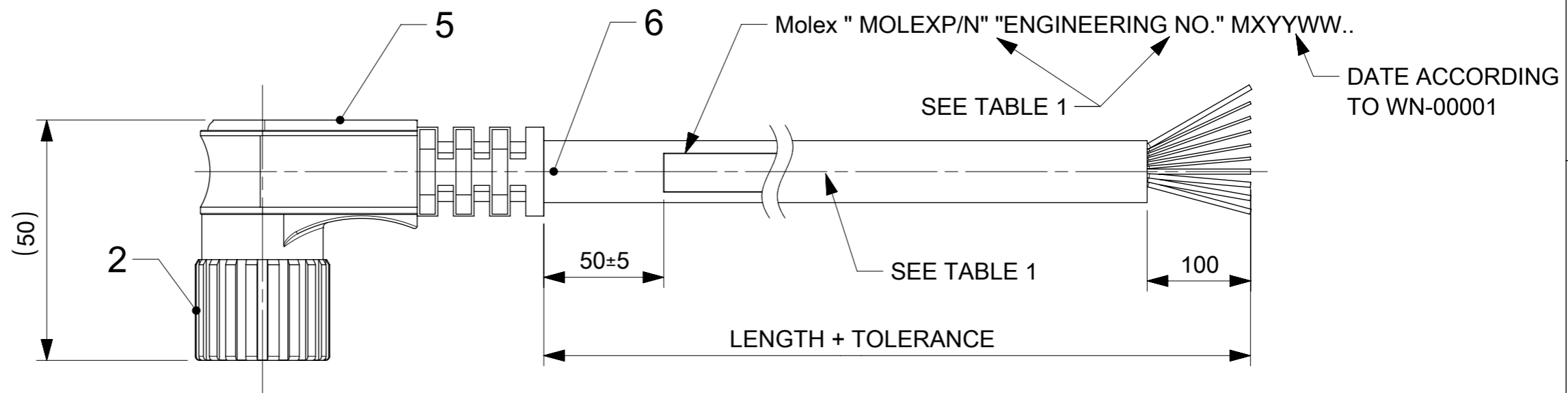


TABLE 1

MOLEX P/N	ENGINEERING NO	LENGTH(mm)
1200350005	K03001I81M050	5000
1200350006	K03001I81M100	10000
1200948272	K03001I81M150	15000
1200350007	K03001I81M250	25000
1200948073	K03001I81M400	40000
CUSTOM VERSION		
1200945067	K03001I81M100A	10000
1200948103	K03001I81M150A	15000
1200948220	K03001I81M300A	30000

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
1	16	CONTACT FEMALE	CuSn6	GOLD OVER NICKEL PLATED
2	1	M23 FEMALE COUPLING NUT	BRASS	Ni- PLATED
3	3	FEMALE CONTACT (HARD SHELL)	CuZn39Pb3F50	Ni2Au0.5
4	1	19P-INSERT/SHELL ASSEMBLY	-	-
5	-	MOULDING MATERIAL	TPU	BLACK
6	-	CABLE	-	-

CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

FUNCTIONAL SYMBOLS: $\sqrt{A} = 0$, $\sqrt{E} = 0$, $\sqrt{V} = 0$

DIMENSION UNITS: mm

SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED):

ANGULAR TOL ± 1.0°

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DIVISIONAL SYMBOLS: DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE

SERIES: 120035

MATERIAL NUMBER: SEE TABLE 1

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 1 OF 1

EC NO: 656262

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: SSM

APPR: RSILLER

DATE: 2018/05/29

DATE: 2018/06/25

DOCUMENT NUMBER: 1200350005

DOC TYPE: PSD

DOC PART: 000

REVISION: A1

PRODUCT CUSTOMER DRAWING

DATE: 2021/02/22

DATE: 2021/02/23