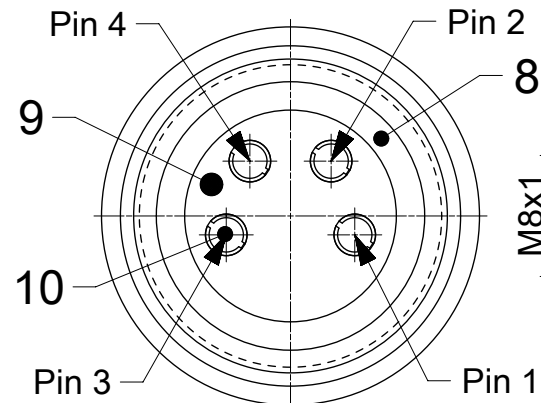
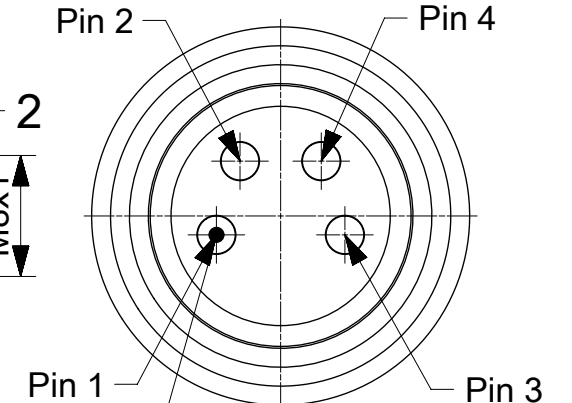


FEMALE CONNECTOR  
PIN ASSIGNMENT  
FRONT VIEW

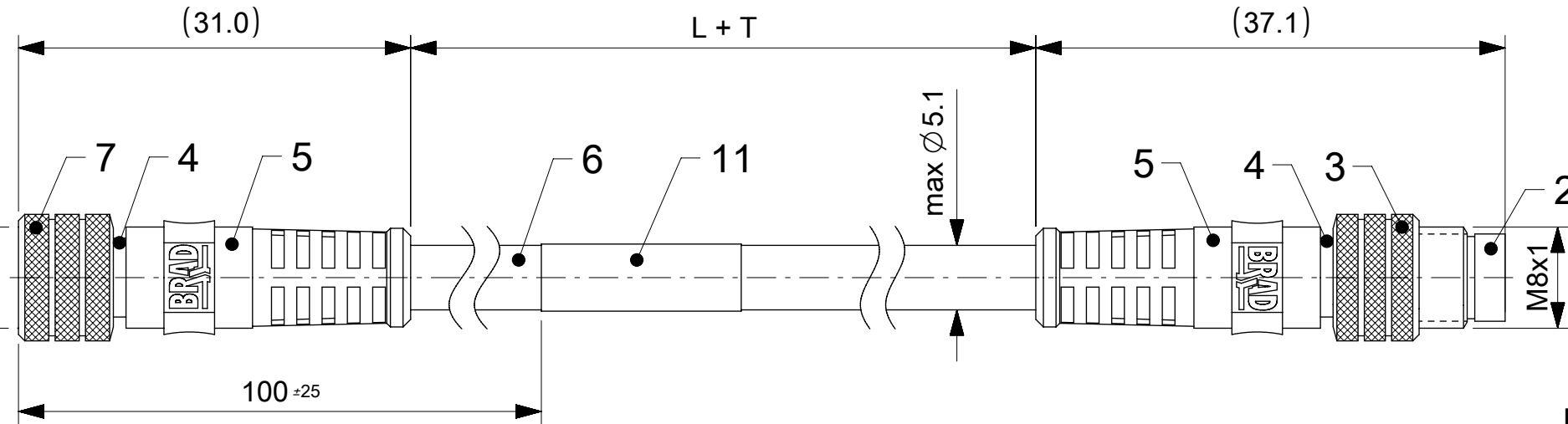


SCALE 5:1

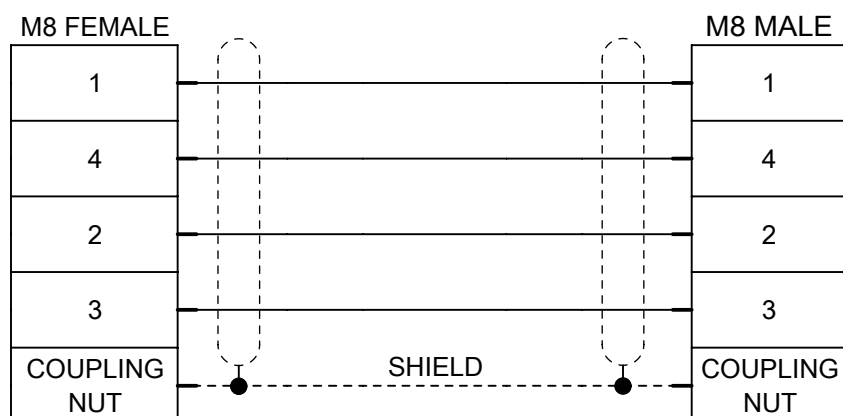
MALE CONNECTOR  
PIN ASSIGNMENT  
FRONT VIEW



SCALE 5:1



WIRING DIAGRAM



TWISTING:  
4 CORES ARE TWISTED TO A STARQUAD:  
PAIR 1: PIN 1/PIN 4  
PAIR 2: PIN 2/PIN 3

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH
11	1	LABEL	VINYL	-
10	4	CONTACT M8 FEMALE	BRASS	Selective Au over Ni
9	1	INSERT M8 FEMALE 4P BLACK	PA	-
8	1	ORING RED	FKM	-
7	1	COUPLING NUT M8 FEMALE	BRASS	Ni
6	L + T	CABLE 1x4xAWG26 GREEN	PUR	-
5	2	OVERMOULD BLACK	TPU	-
4	2	SLEEVE SHLD	BRASS	Ni
3	1	COUPLING NUT M8 MALE	BRASS	Ni
2	1	INSERT M8 MALE 4P BLACK	PA	-
1	4	CONTACT M8 MALE	BRASS	Selective Au over Ni

NOTES

1. RATED VOLTAGE: 30 V AC/DC
2. RATED CURRENT: 3 A
3. OPERATION TEMPERATURE: -20°C TO +80°C
4. INTERNATIONAL PROTECTION MARKING: IP67
5. CATEGORY: BASED ON CAT5
6. PACKAGING: 24 PIECES PER CARTON, WITHOUT PLASTIC BAG.

<p>QUALITY SYMBOLS</p> <p>FA = 0</p> <p>FE = 0</p> <p>FF = 0</p> <p>VA = 0</p> <p>VC = 0</p> <p>XC = 0</p> <p>XB = 0</p> <p>VF = 0</p>	<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>		<p>DIMENSION UNITS: mm</p> <p>SCALE: 2:1</p>			
	<p>DRWN BY: JMARSZALEK</p> <p>DATE: 2016/04/20</p>		<p>DRWN BY: JMARSZALEK</p> <p>DATE: 2016/04/20</p>			<p>CSE M8 M8 4P AC FE STR PUR MA STR XM</p>
	<p>CHK'D BY: RSILLER</p> <p>DATE: 2016/06/09</p>		<p>CHK'D BY: RSILLER</p> <p>DATE: 2016/06/09</p>			
	<p>APPR BY: RSILLER</p> <p>DATE: 2016/06/09</p>		<p>APPR BY: RSILLER</p> <p>DATE: 2016/06/09</p>			<p>SERIES: 120359</p> <p>MATERIAL NUMBER: SEE SHEET 2</p> <p>CUSTOMER: GENERAL MARKET</p>
<p>EC NO: 105621</p> <p>DRWN: JMARSZALEK</p> <p>CHK'D: RSILLER</p> <p>APPR: RSILLER</p>		<p>GENERAL TOLERANCES (UNLESS SPECIFIED)</p> <p>ANGULAR TOL ± 1.0 °</p> <p>4 PLACES ±</p> <p>3 PLACES ±</p> <p>2 PLACES ± 0.05</p> <p>1 PLACE ± 0.3</p> <p>0 PLACES ± 0.5</p> <p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p>		<p>DRAWING SIZE: A3</p> <p>THIRD ANGLE PROJECTION</p>		<p>DOCUMENT NUMBER: 1203593000</p> <p>DOC TYPE: PSD</p> <p>DOC PART: 000</p> <p>SHEET NUMBER: 1 OF 2</p>

NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS

**E 4 4 A 0 3 0 X X M X X X X**

E=Ethernet/  
EtherCat

Heads:  
4=M8 A-Coding  
4=M8 A-Coding

Wiring type:  
A=4 Pole (Straight Wired)

Heads style:  
030=Female STR  
/ Male STR

Cable type:  
See cable table

Units:  
M=Meter  
T=10x meter

Length  
Examples:  
005=0.5 units  
010=1 units  
150=15 units

H= 2 pcs. of  
I/D Carrier

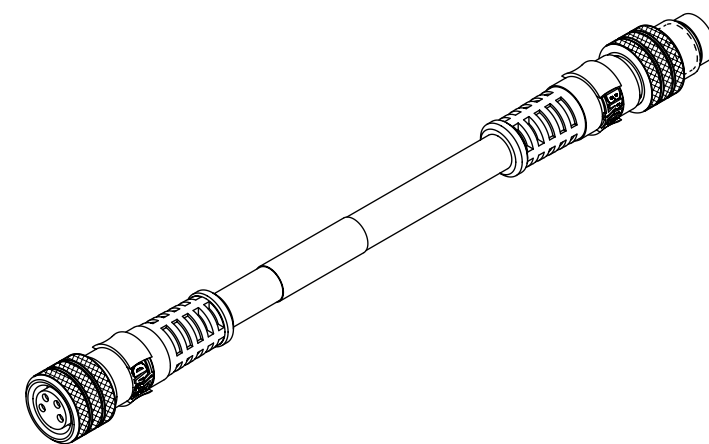
CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL/CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	SHIELD
20	4	AWG26 (0.15mm <sup>2</sup> )	PUR GREEN	80°C, 30V	-20°C to +80°C, 7.5xO.D.	-20°C to +50°C, 12xO.D.	YES

PART LIST

No.	Molex P/N	Engineering no.	Cable Length "L"
1	1203593000	E44A03020M006	600
2	1203593001	E44A03020M010	1000
3	1203593002	E44A03020M020	2000
4	1203593003	E44A03020M030	3000
5	1203593004	E44A03020M050	5000
6	1203593005	E44A03020M075	7500
7	1203593006	E44A03020M100	10000
8	1203593007	E44A03020M120	12000
9	1203593008	E44A03020M150	15000
10	1203593009	E44A03020M200	20000

CABLE LENGTH TOLERANCES "T"		
LENGTH	TOLERANCE	
shorter than 1m	+40 mm	-0 mm
1m-5m	+60 mm	-0 mm
5m-10m	+80 mm	-0 mm
10m-20m	+140 mm	-0 mm
20m-30m	+160 mm	-0 mm
longer than 30m	+1%	-0 mm



SCALE 1:1

QUALITY SYMBOLS FA = 0 FE = 0 FB = 0 ▼ = 0 C = 0 ⊗ = 0 ■ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	EC NO: 105621 DRWN: JMARSZALEK CHK'D: RSILLER REV APPR: RSILLER	2016/04/20 2016/06/09 2016/06/09		GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 °		DIMENSION UNITS: mm SCALE: 1:1					
		4 PLACES ± 3 PLACES ± 2 PLACES ± 0.05 1 PLACE ± 0.3 0 PLACES ± 0.5		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN BY: JMARSZALEK DATE: 2016/04/20					
		APPR BY: RSILLER DATE: 2016/06/09		DRAWING SIZE: A3 THIRD ANGLE PROJECTION		PRODUCT CUSTOMER DRAWING				SERIES: 120359 MATERIAL NUMBER: SEE PART LIST CUSTOMER: GENERAL MARKET	
RELEASE STATUS: P1 RELEASE DATE: 2016/06/09 12:35:12		DOCUMENT NUMBER: 1203593000 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 2 OF 2									