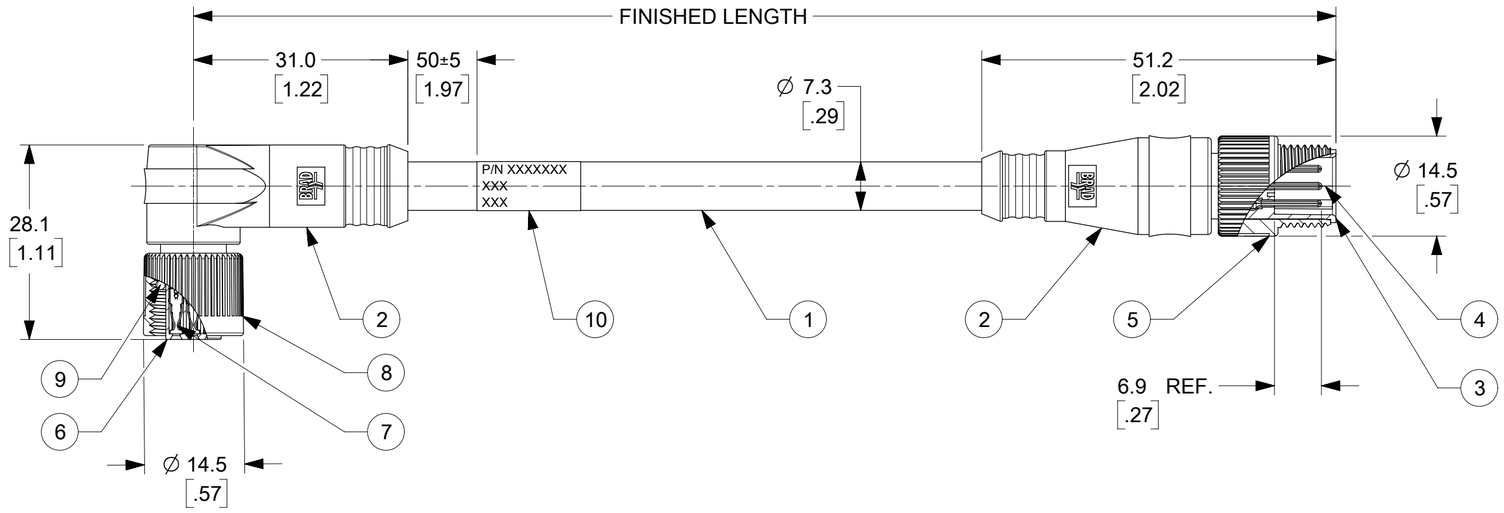
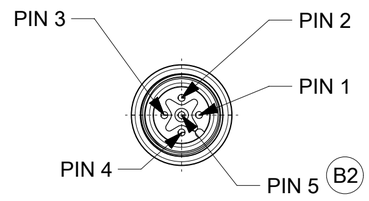
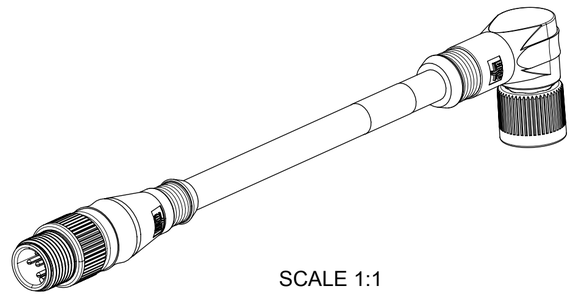
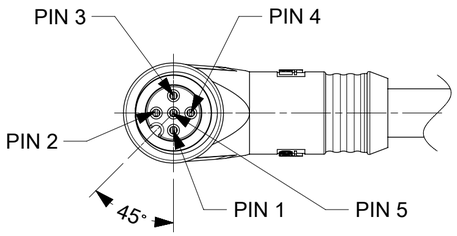




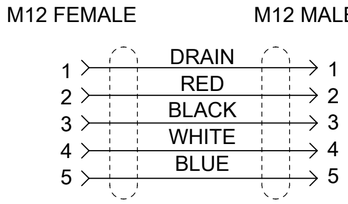
MALE FACE VIEW



SCALE 1:1



FEMALE FACE VIEW



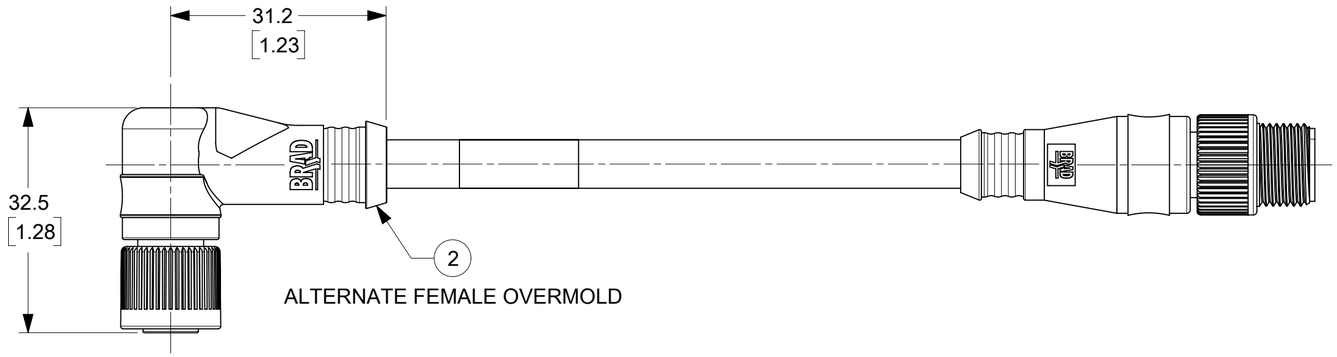
WIRE DIAGRAM

DND32A-M006

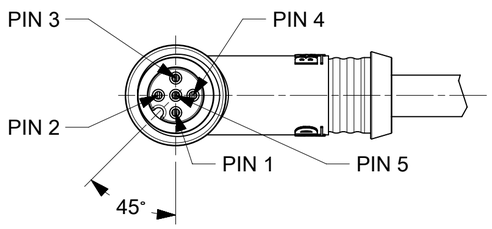
LENGTH
M001 = .1 METERS
M010 = 1.0 METERS
M100 = 10 METERS

CABLE LENGTH TOLERANCES
<.3M [1FT]: +19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH

PART NUMBER LEGEND



ALTERNATE FEMALE OVERMOLD



FINISHED LENGTH

MOLEX PN	ENGINEERING NO	LENGTH M [FT]
1300280003	DND32A-M006	0.6 [1.97]
1300280080	DND32A-M002	0.2 [.66]
1300280081	DND32A-M003	0.3 [.98]
1300280082	DND32A-M004	0.4 [1.31]
1300280083	DND32A-M005	0.5 [1.64]
1300280084	DND32A-M007	0.7 [2.30]
1300280085	DND32A-M010	1.0 [3.28]
1300280086	DND32A-M015	1.5 [4.92]
1300280088	DND32A-M025	2.5 [8.20]
1300280089	DND32A-M030	3.0 [9.84]
1300280091	DND32A-M050	5.0 [16.4]

ITEM	DESCRIPTION	MATERIAL	FINISH/COLOR
10	WRAP LABEL	VINYL	BLACK/YELLOW
9	O-RING	FPM (VITON)	RED
8	COUPLING NUT FEMALE M12	E-COAT	BLACK
7	CONTACT FEMALE	Cu ALLOY	GOLD PLATED
6	INSERT M12 5P FEMALE	NYLON	BLACK
5	COUPLING NUT MALE M12	E-COAT	BLACK
4	CONTACT PIN	Cu ALLOY	GOLD PLATED
3	INSERT M12 5P MALE AC KEY	NYLON	BLACK
2	OVERMOLDS	TPC	GRAY
1	DEV-NET DROP CABLE 4x0.34mm² (22AWG)	PVC JACKET	GRAY

NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
   VOLTAGE; 250V AC/DC
   CURRENT: 4A
4. TEMP RATING: -20°TO +80°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: M12 X 1.0
7. UL LISTED FILE: E152210
   CANADIAN LISTED FILE: LR6837
8. ALL DIMS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/29 14:49:33

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: MM/INCH
SCALE: 1.5:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: REMOVED LEADING PIN NOTE

EC NO: 700917
DRWN: RSTONE 2022/03/25
CHK'D: MZIELINSKI 2022/03/25
APPR: BWOODMAN 2022/03/29

INITIAL REVISION:
DRWN: MKOWALCZYK01 2018/10/09
APPR: MIWASIECZKO 2018/10/12

THIRD ANGLE PROJECTION | DRAWING: C-SIZE | SERIES: 130028

molex

MICRO-CHANGE EXT CORD DEV-NET DROP
MALE90/FEMALE STR, 22AWG

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1300280080	PSD	000	B2

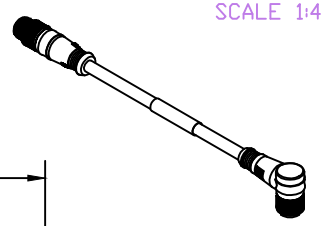
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE P/N CHART	GENERAL MARKET	1 OF 1

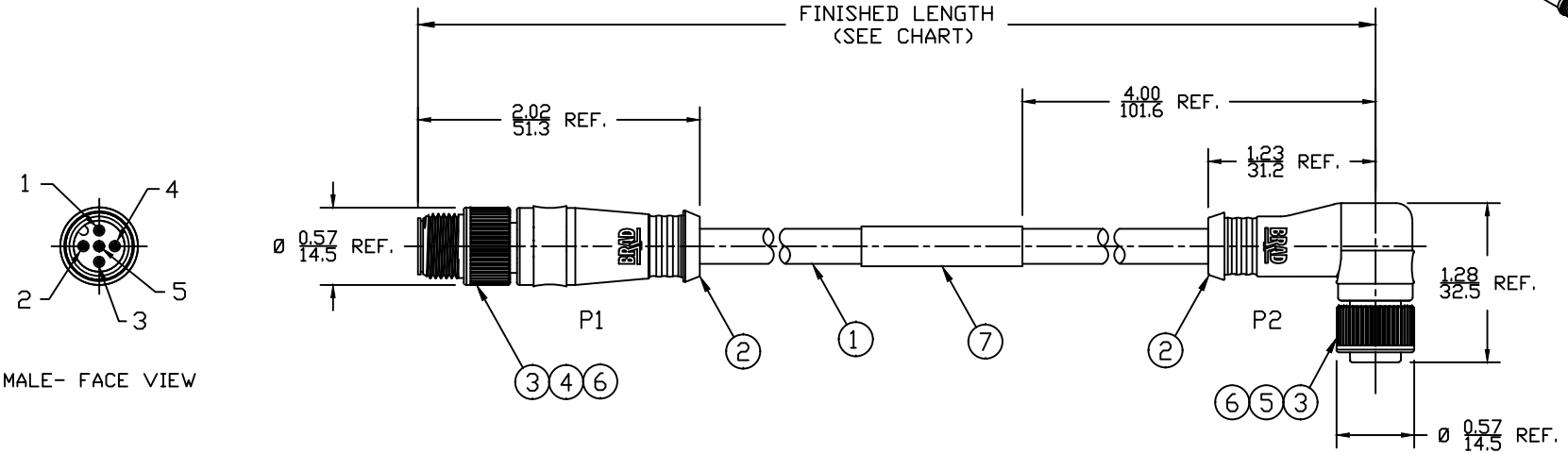
FORMAT: Eng-lega-master-tb-prod-C
REVISION: E1
DATE: 2021/05/01

PART NUMBER	ENGINEERING NO.	LENGTH ± TOLERANCE
1300280083	DND32A-M005	1' 8" +1.75"/-0" [0.5M +44.5/-0 mm]
1300280084	DND32A-M007	2' 4" +1.75"/-0" [0.7M +44.5/-0 mm]
1300280085	DND32A-M010	3' 3" +2.19"/-0" [1M +55.6/-0 mm]
1300280089	DND32A-M030	9' 10" +3.50"/-0" [3M +88.9/-0 mm]
1300280091	DND32A-M050	16' 5" +6.50"/-0" [5M +165.1/-0 mm]

B1

AUX VIEW
SCALE 1:4

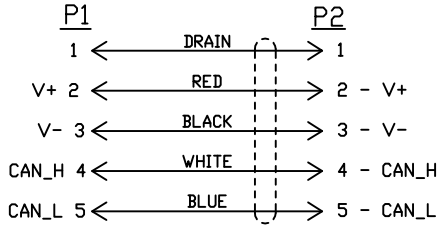




MALE- FACE VIEW

NOTES:

1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. ELECTRICAL DATA:
   MAX. VOLTAGE: 250V AC/DC
   MAX. CURRENT 4A
4. ENVIRONMENTAL:
   PROTECTION IP67 (WHEN MATED)
   TEMPERATURE RANGE: -20°C TO 80°C
5. WRAP LABEL IS MARKED WITH P/N, DATE CODE, VOLTAGE & AMPERAGE.
6. DIMS SHOWN ARE FOR REFERENCE UNLESS NOTED OTHERWISE

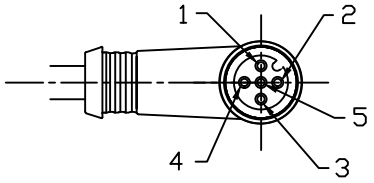


SCHEMATIC

DND32A-M005 (B)

cable type
DEV-NET DROP
GRAY PVC

cable length
005----.5 Meters
010----1 Meter
100----10 Meter



FEMALE- FACE VIEW

TABLE

7	LABEL	VINYL	BLACK/YELLOW
6	INSERT	NYLON	BLACK
5	SOCKET CONTACT	COPPER ALLOY	GOLD PLATED
4	PIN CONTACT	COPPER ALLOY	GOLD PLATED
3	M12 COUPLING NUT	ZINC DIE-CAST	BLACK
2	OVERMOLD	PVC	GRAY
1	DEVICENET DROP CABLE, 2P, SHLD	PVC JACKET	GRAY
ITEM	DESCRIPTION	MATERIAL	FINISH

CORRECTED P/NS FOR .5 & .7M 10/3/16
EC NO: IPG2017-0356 DRWN: RSTONE
CHKD: M ZIELIN 2016/10/04
APPR: TWOLDEGE
DESCRIPTION
B1
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±---	±---
2 PLACES	±---	±---
1 PLACE	±---	±---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: ---
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY VOU DATE 2009/07/30
CHECKED BY BWOODMAN DATE 2009/07/31
APPROVED BY --- DATE ---

TITLE
M12 DEVICENET CABLE ASSY
5P MALE/FEM ST/90
#22/4 SHLD PVC -THIN STD

MOLEX INCORPORATED

MATERIAL NO. SEE CHART
DOCUMENT NO. SD-130028-002
SHEET NO. 1 OF 1
SIZE A

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