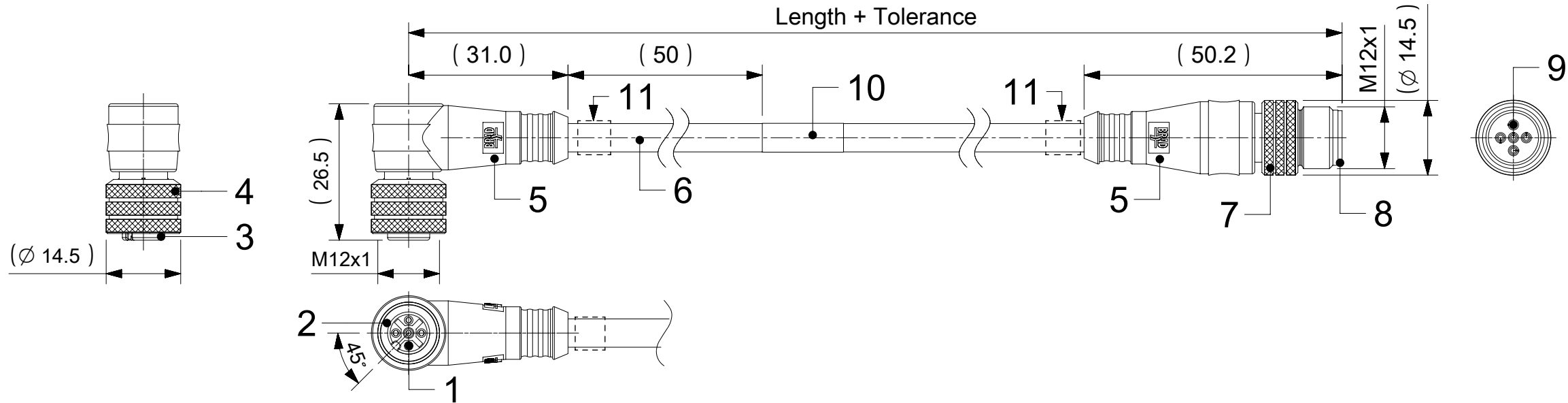


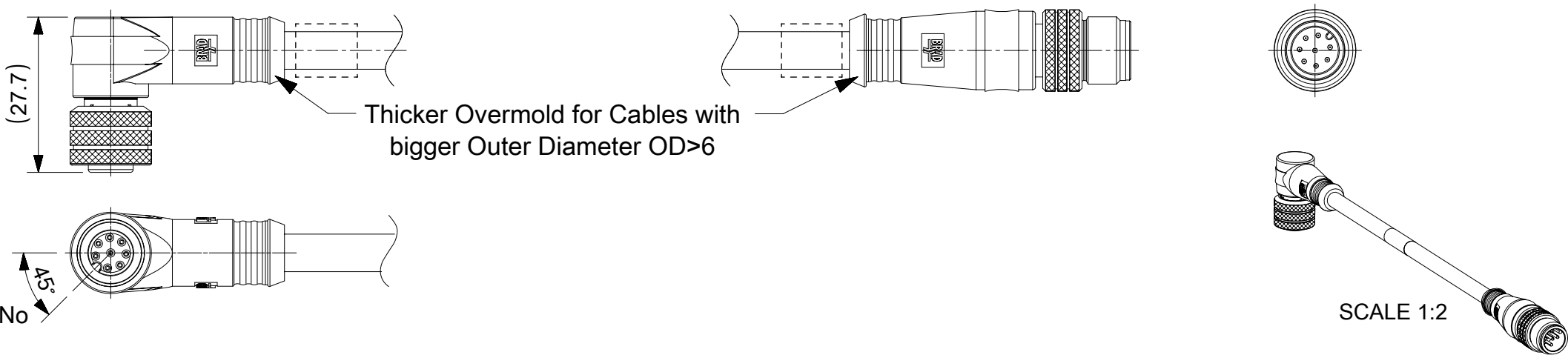
FEMALE PLUG M12 90° ANGLED TO MALE PLUG M12 STRAIGHT



NOTES:

RATED VOLTAGE: 3, 4 contacts 250V per IEC 60664
5 contacts 60V per IEC 60664
5 contacts 250V per UL 2238
8 contacts 30V per IEC 60664
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C

* FOR CABLES lxx USE PRINTING ON THE CABLE IN THE SAME MEASUREMENT LIKE FOR LABEL – ENGINEERING No



CONTACTS POSITION FRONT VIEW:

	3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
FEMALE								
MALE								
CONNECTIONS	PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
	1	BROWN	1	BROWN	1	BROWN	1	WHITE
	2	---	2	WHITE	2	WHITE	2	BROWN
	3	BLUE	3	BLUE	3	BLUE	3	GREEN
	4	BLACK	4	BLACK	4	BLACK	4	YELLOW
	5	---	5	---	5	GREY OR GREEN/YELLOW	5	GREY
							6	PINK
							7	BLUE
CODING REQUIRED TO IEC 61076-2-101								

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

11	SEE PART LIST	ID CARRIER	PVC	TRANSPARENT
10	1	LABEL YELLOW	VINYL	---
	-	PRINTING FOR CABLES lxx	---	---
9	3 / 4 / 5 / 8	CONTACT MALE	SEE PART LIST	SELECTIVE Au OVER Ni
8	1	INSERT MALE BLACK	SEE PART LIST	---
7	1	COUPLING NUT MALE	SEE PART LIST	---
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOULDING BLACK	SEE PART LIST	---
4	1	COUPLING NUT FEMALE	SEE PART LIST	---
3	1	INSERT FEMALE BLACK	SEE PART LIST	---
2	1	O-RING RED	FPM	---
1	3 / 4 / 5 / 8	CONTACT FEMALE	SEE PART LIST	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD NEW PN FOR NEW LENGTH 7M			molex								
mm		1:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)							CSE M12 XP AC FE RA MA STR XM DE								
ANGULAR TOL ± 1.0 °															
4 PLACES ±															
3 PLACES ±				EC NO: 791338 DRWN: RSILLER 2024/07/03 CHK'D: THAERDT 2024/07/03 APPR: THAERDT 2024/07/03			PRODUCT CUSTOMER DRAWING								
2 PLACES ± 0.05															
1 PLACE ± 0.3															
0 PLACES ± 0.5				INITIAL REVISION: DRWN: JMARSZALEK 2016/10/06 APPR: RSILLER 2016/12/08			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 					DRAWING A3-SIZE		SERIES 120066		1200660973		PSD	000	A11
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
										GENERAL MARKET		1 OF 4			

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS

88X0X1XXXXXX

88=Micro-Change
M12x1
Double ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style:
031=Plug Female 90°
to Plug Male Straight
021=Plug Female 90°
to Plug Male Straight
with Female
Coupling Nut

Cable type: See Table

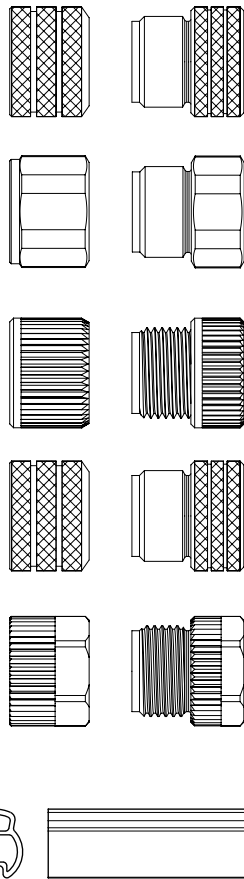
Units:
M=Meter
C=Centimeter

Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

Coupling Nut:
Blank (Standard)=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
Blank=7 for cables I20, I26, K03, K05, P82, S26
9=Knurled / Hexagonal Brass Ni Plated SW13

H= 2 pcs. of I/D Carrier PVC Transparent
(Cables Ixx & P82 always with 2 pcs. of
I/D Carrier even if no H in Engineering No.)

COUPLING NUT
FEMALE MALE



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	DRAG CHAIN	SHIELD
I03	3 / 4 / 5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	-
I20	3 / 4	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
I26	5	0.34mm²	PVC CEI GREY	-	-	-30°C to +70°C	-5°C to +70°C	-	YES
K03	4	18AWG	TPE YELLOW	UL ITC or PLC	I/II A/B 90°C/300V	max 105°C	-	-	-
K05	3 / 4 / 5	22AWG	TPE YELLOW	UL ITC or PLC	I/II A/B 90°C/300V	max 105°C	-	-	-
P82	3 / 4 / 5	0.34mm²	PUR IRR ORANGE	-	-	-50°C to +105°C, >5xO.D.	-40°C to +105°C, >7.5xO.D.	-	-
S20	3 / 4 / 5	0.34mm²	PVC YELLOW	UL 2661/1731	C22.2 II A 105°C/300V	-30°C to +105°C	-	-	YES
E02	3 / 4 / 5 / 8	0.25mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H09	3 / 4 / 5	0.34mm²	PUR BLACK LSOH	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
P03	3 / 4 / 5	0.34mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-
H08	8	0.25mm²	PUR BLACK LSOH	UL 21198/10493	UL 21198/10493	-40°C to +80°C, >5xO.D.	-25°C to +80°C, >10xO.D.	2 000 000 cycles, Temp max 60°C	-
P02	8	0.25mm²	PUR / PVC BLACK	-	-	-30°C to +80°C, >7xO.D.	-5°C to +80°C, >15xO.D.	-	-

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length

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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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ADD NEW PN FOR NEW LENGTH 7M

EC NO: 791338
DRWN: RSILLER
CHK'D: THAERDT
APPR: THAERDT

INITIAL REVISION:
DRWN: JMARSZALEK
APPR: RSILLER

THIRD ANGLE PROJECTION

DRAWING A3-SIZE

SERIES 120066

DOCUMENT NUMBER 1200660973

MATERIAL NUMBER

CUSTOMER GENERAL MARKET

SHEET NUMBER 2 OF 4

moLEX

CSE M12 XP AC FE RA MA STR XM DE

PRODUCT CUSTOMER DRAWING

PSD 000 A11

	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																							
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44	1200660377	884031K05M015	1.5m																																																																																																																																																																														
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17	1200070651	884031I03M006	0.6m																																																																																																																																																																														
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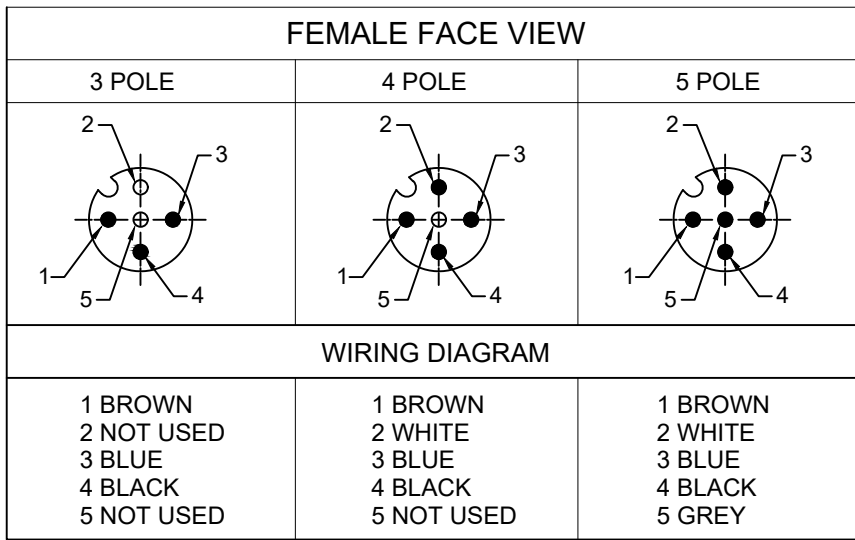
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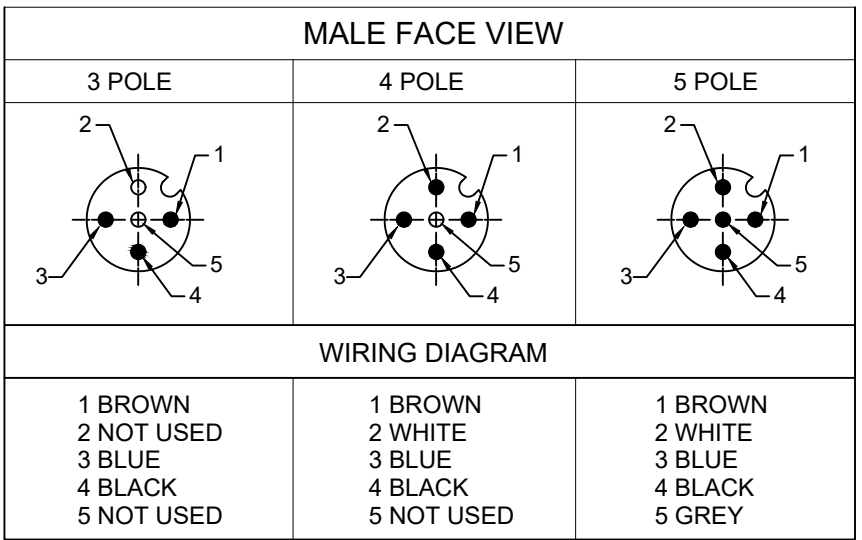
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F	<table><tr><td>Pos.</td><td>Part No.</td><td>Engineering No.</td><td>Cable Length</td></tr><tr><td>143</td><td>1200668210</td><td>884031H09M009</td><td>0.9m</td></tr><tr><td>144</td><td>1200668484</td><td>884031H09M010</td><td>1m</td></tr><tr><td>145</td><td>1200668848</td><td>884031H09M013</td><td>1.3m</td></tr><tr><td>146</td><td>1200668488</td><td>884031H09M015</td><td>1.5m</td></tr><tr><td>147</td><td>1200668845</td><td>884031H09M018</td><td>1.8m</td></tr><tr><td>148</td><td>1200668212</td><td>884031H09M020</td><td>2m</td></tr><tr><td>149</td><td>1200668847</td><td>884031H09M021</td><td>2.1m</td></tr><tr><td>150</td><td>1200668215</td><td>884031H09M030</td><td>3m</td></tr><tr><td>151</td><td>1200668670</td><td>884031H09M050</td><td>5m</td></tr><tr><td>152</td><td>1200668671</td><td>884031H09M100</td><td>10m</td></tr><tr><td>153</td><td>1200070526</td><td>884031P03M003</td><td>0.3m</td></tr><tr><td>154</td><td>1200070527</td><td>884031P03M006</td><td>0.6m</td></tr><tr><td>155</td><td>1200060056</td><td>884031P03M010</td><td>1m</td></tr><tr><td>156</td><td>1200060057</td><td>884031P03M020</td><td>2m</td></tr><tr><td>157</td><td>1200070529</td><td>884031P03M030</td><td>3m</td></tr><tr><td>158</td><td>1200071187</td><td>884031P03M050</td><td>5m</td></tr><tr><td>159</td><td>1200072012</td><td>884031P03M100</td><td>10m</td></tr><tr><td>160</td><td>1300288001</td><td>885031D12M020</td><td>2m</td></tr><tr><td>161</td><td>1200668658</td><td>885031E02M020</td><td>2m</td></tr><tr><td>162</td><td>1200668610</td><td>885031E02M050</td><td>5m</td></tr><tr><td>163</td><td>1200668660</td><td>885031E02M100</td><td>10m</td></tr><tr><td>164</td><td>1200668339</td><td>885031E03M006</td><td>0.6m</td></tr><tr><td>165</td><td>1200668189</td><td>885031E03M010</td><td>1m</td></tr><tr><td>166</td><td>1200668278</td><td>885031E03M020</td><td>2m</td></tr><tr><td>167</td><td>1200668340</td><td>885031E03M030</td><td>3m</td></tr><tr><td>168</td><td>1200668279</td><td>885031E03M050</td><td>5m</td></tr><tr><td>169</td><td>1200668653</td><td>885031E03M070</td><td>7m</td></tr><tr><td>170</td><td>1200668348</td><td>885031E03M100</td><td>10m</td></tr><tr><td>171</td><td>1200668761</td><td>885031E03M150</td><td>15m</td></tr><tr><td>172</td><td>1200669229</td><td>885031H09C250</td><td>25m</td></tr><tr><td>173</td><td>1200668512</td><td>885031H09M006</td><td>0.6m</td></tr><tr><td>174</td><td>1200668496</td><td>885031H09M010</td><td>1m</td></tr><tr><td>175</td><td>1200668513</td><td>885031H09M020</td><td>2m</td></tr><tr><td>176</td><td>1200668514</td><td>885031H09M030</td><td>3m</td></tr><tr><td>177</td><td>1200668515</td><td>885031H09M050</td><td>5m</td></tr><tr><td>178</td><td>1200668516</td><td>885031H09M100</td><td>10m</td></tr><tr><td>179</td><td>1200073085</td><td>885031P03M006</td><td>0.6m</td></tr><tr><td>180</td><td>1200668188</td><td>885031P03M010</td><td>1m</td></tr><tr><td>181</td><td>1200072376</td><td>885031P03M0105</td><td>1m</td></tr><tr><td>182</td><td>1200070917</td><td>885031P03M020</td><td>2m</td></tr><tr><td>183</td><td>1200668091</td><td>885031P03M025</td><td>2.5m</td></tr><tr><td>184</td><td>1200070919</td><td>885031P03M030</td><td>3m</td></tr><tr><td>185</td><td>1200668273</td><td>885031P03M050</td><td>5m</td></tr><tr><td>186</td><td>1200073086</td><td>885031P03M100</td><td>10m</td></tr><tr><td>187</td><td>1200070434</td><td>884021E03M020</td><td>2m</td></tr><tr><td>188</td><td>1200658319</td><td>888031H08M050</td><td>5m</td></tr><tr><td>189</td><td>1200668673</td><td>888031E02M0041</td><td>0.4m</td></tr><tr><td>190</td><td>1200668849</td><td>888031P02M150</td><td>15m</td></tr></table>																					Pos.	Part No.	Engineering No.	Cable Length	143	1200668210	884031H09M009	0.9m	144	1200668484	884031H09M010	1m	145	1200668848	884031H09M013	1.3m	146	1200668488	884031H09M015	1.5m	147	1200668845	884031H09M018	1.8m	148	1200668212	884031H09M020	2m	149	1200668847	884031H09M021	2.1m	150	1200668215	884031H09M030	3m	151	1200668670	884031H09M050	5m	152	1200668671	884031H09M100	10m	153	1200070526	884031P03M003	0.3m	154	1200070527	884031P03M006	0.6m	155	1200060056	884031P03M010	1m	156	1200060057	884031P03M020	2m	157	1200070529	884031P03M030	3m	158	1200071187	884031P03M050	5m	159	1200072012	884031P03M100	10m	160	1300288001	885031D12M020	2m	161	1200668658	885031E02M020	2m	162	1200668610	885031E02M050	5m	163	1200668660	885031E02M100	10m	164	1200668339	885031E03M006	0.6m	165	1200668189	885031E03M010	1m	166	1200668278	885031E03M020	2m	167	1200668340	885031E03M030	3m	168	1200668279	885031E03M050	5m	169	1200668653	885031E03M070	7m	170	1200668348	885031E03M100	10m	171	1200668761	885031E03M150	15m	172	1200669229	885031H09C250	25m	173	1200668512	885031H09M006	0.6m	174	1200668496	885031H09M010	1m	175	1200668513	885031H09M020	2m	176	1200668514	885031H09M030	3m	177	1200668515	885031H09M050	5m	178	1200668516	885031H09M100	10m	179	1200073085	885031P03M006	0.6m	180	1200668188	885031P03M010	1m	181	1200072376	885031P03M0105	1m	182	1200070917	885031P03M020	2m	183	1200668091	885031P03M025	2.5m	184	1200070919	885031P03M030	3m	185	1200668273	885031P03M050	5m	186	1200073086	885031P03M100	10m	187	1200070434	884021E03M020	2m	188	1200658319	888031H08M050	5m	189	1200668673	888031E02M0041	0.4m	190	1200668849	888031P02M150	15m	<table><tr><td>Pos.</td><td>Part No.</td><td>Engineering No.</td><td>Cable Length</td></tr><tr><td>191</td><td>1200656208</td><td>888031H08C250</td><td>2.5m</td></tr><tr><td>192</td><td>1200656209</td><td>888031H08M005</td><td>0.5m</td></tr><tr><td>193</td><td>1200656210</td><td>888031H08M008</td><td>0.8m</td></tr><tr><td>194</td><td>1200656211</td><td>888031H08M012</td><td>1.2m</td></tr><tr><td>195</td><td>1200656212</td><td>888031H08M015</td><td>1.5m</td></tr><tr><td>196</td><td>1200070057</td><td>883021E03M006</td><td>0.6m</td></tr><tr><td>197</td><td>1200070058</td><td>883021E03M020</td><td>2m</td></tr><tr><td>198</td><td>1200070439</td><td>884021P03M006</td><td>0.6m</td></tr><tr><td>199</td><td>1200070440</td><td>884021P03M010</td><td>1m</td></tr><tr><td>200</td><td>1200070441</td><td>884021P03M020</td><td>2m</td></tr><tr><td>201</td><td>1200070442</td><td>884021P03M030</td><td>3m</td></tr><tr><td>202</td><td>1200070870</td><td>883021P03M050</td><td>5m</td></tr><tr><td>203</td><td>1200072191</td><td>883021E03M030</td><td>3m</td></tr><tr><td>204</td><td>1200072198</td><td>883021E03M050</td><td>5m</td></tr><tr><td>205</td><td>1200665038</td><td>884021E03M050</td><td>5m</td></tr><tr><td>206</td><td>1200668061</td><td>884021E03M006</td><td>0.6m</td></tr><tr><td>207</td><td>1200668219</td><td>884021E03M030</td><td>3m</td></tr><tr><td>208</td><td>1200668673</td><td>888031E02M0041</td><td>0.4m</td></tr><tr><td>209</td><td>1200669541</td><td>884031P03M015</td><td>1.5m</td></tr><tr><td>210</td><td>1200669885</td><td>884031E03M004</td><td>0.4m</td></tr><tr><td>211</td><td>1200669886</td><td>884031E03M005</td><td>0.5m</td></tr><tr><td>212</td><td>1200669887</td><td>884031E03M013</td><td>1.3m</td></tr><tr><td>213</td><td>1200669888</td><td>884031E03M080</td><td>8m</td></tr><tr><td>214</td><td>1200070510</td><td>883031E03M070</td><td>7m</td></tr></table>																					Pos.	Part No.	Engineering No.	Cable Length	191	1200656208	888031H08C250	2.5m	192	1200656209	888031H08M005	0.5m	193	1200656210	888031H08M008	0.8m	194	1200656211	888031H08M012	1.2m	195	1200656212	888031H08M015	1.5m	196	1200070057	883021E03M006	0.6m	197	1200070058	883021E03M020	2m	198	1200070439	884021P03M006	0.6m	199	1200070440	884021P03M010	1m	200	1200070441	884021P03M020	2m	201	1200070442	884021P03M030	3m	202	1200070870	883021P03M050	5m	203	1200072191	883021E03M030	3m	204	1200072198	883021E03M050	5m	205	1200665038	884021E03M050	5m	206	1200668061	884021E03M006	0.6m	207	1200668219	884021E03M030	3m	208	1200668673	888031E02M0041	0.4m	209	1200669541	884031P03M015	1.5m	210	1200669885	884031E03M004	0.4m	211	1200669886	884031E03M005	0.5m	212	1200669887	884031E03M013	1.3m	213	1200669888	884031E03M080	8m	214	1200070510	883031E03M070	7m
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168	1200668279	885031E03M050	5m																																																																																																																																																																																																																																																																																																																																															
169	1200668653	885031E03M070	7m																																																																																																																																																																																																																																																																																																																																															
170	1200668348	885031E03M100	10m																																																																																																																																																																																																																																																																																																																																															
171	1200668761	885031E03M150	15m																																																																																																																																																																																																																																																																																																																																															
172	1200669229	885031H09C250	25m																																																																																																																																																																																																																																																																																																																																															
173	1200668512	885031H09M006	0.6m																																																																																																																																																																																																																																																																																																																																															
174	1200668496	885031H09M010	1m																																																																																																																																																																																																																																																																																																																																															
175	1200668513	885031H09M020	2m																																																																																																																																																																																																																																																																																																																																															
176	1200668514	885031H09M030	3m																																																																																																																																																																																																																																																																																																																																															
177	1200668515	885031H09M050	5m																																																																																																																																																																																																																																																																																																																																															
178	1200668516	885031H09M100	10m																																																																																																																																																																																																																																																																																																																																															
179	1200073085	885031P03M006	0.6m																																																																																																																																																																																																																																																																																																																																															
180	1200668188	885031P03M010	1m																																																																																																																																																																																																																																																																																																																																															
181	1200072376	885031P03M0105	1m																																																																																																																																																																																																																																																																																																																																															
182	1200070917	885031P03M020	2m																																																																																																																																																																																																																																																																																																																																															
183	1200668091	885031P03M025	2.5m																																																																																																																																																																																																																																																																																																																																															
184	1200070919	885031P03M030	3m																																																																																																																																																																																																																																																																																																																																															
185	1200668273	885031P03M050	5m																																																																																																																																																																																																																																																																																																																																															
186	1200073086	885031P03M100	10m																																																																																																																																																																																																																																																																																																																																															
187	1200070434	884021E03M020	2m																																																																																																																																																																																																																																																																																																																																															
188	1200658319	888031H08M050	5m																																																																																																																																																																																																																																																																																																																																															
189	1200668673	888031E02M0041	0.4m																																																																																																																																																																																																																																																																																																																																															
190	1200668849	888031P02M150	15m																																																																																																																																																																																																																																																																																																																																															
Pos.	Part No.	Engineering No.	Cable Length																																																																																																																																																																																																																																																																																																																																															
191	1200656208	888031H08C250	2.5m																																																																																																																																																																																																																																																																																																																																															
192	1200656209	888031H08M005	0.5m																																																																																																																																																																																																																																																																																																																																															
193	1200656210	888031H08M008	0.8m																																																																																																																																																																																																																																																																																																																																															
194	1200656211	888031H08M012	1.2m																																																																																																																																																																																																																																																																																																																																															
195	1200656212	888031H08M015	1.5m																																																																																																																																																																																																																																																																																																																																															
196	1200070057	883021E03M006	0.6m																																																																																																																																																																																																																																																																																																																																															
197	1200070058	883021E03M020	2m																																																																																																																																																																																																																																																																																																																																															
198	1200070439	884021P03M006	0.6m																																																																																																																																																																																																																																																																																																																																															
199	1200070440	884021P03M010	1m																																																																																																																																																																																																																																																																																																																																															
200	1200070441	884021P03M020	2m																																																																																																																																																																																																																																																																																																																																															
201	1200070442	884021P03M030	3m																																																																																																																																																																																																																																																																																																																																															
202	1200070870	883021P03M050	5m																																																																																																																																																																																																																																																																																																																																															
203	1200072191	883021E03M030	3m																																																																																																																																																																																																																																																																																																																																															
204	1200072198	883021E03M050	5m																																																																																																																																																																																																																																																																																																																																															
205	1200665038	884021E03M050	5m																																																																																																																																																																																																																																																																																																																																															
206	1200668061	884021E03M006	0.6m																																																																																																																																																																																																																																																																																																																																															
207	1200668219	884021E03M030	3m																																																																																																																																																																																																																																																																																																																																															
208	1200668673	888031E02M0041	0.4m																																																																																																																																																																																																																																																																																																																																															
209	1200669541	884031P03M015	1.5m																																																																																																																																																																																																																																																																																																																																															
210	1200669885	884031E03M004	0.4m																																																																																																																																																																																																																																																																																																																																															
211	1200669886	884031E03M005	0.5m																																																																																																																																																																																																																																																																																																																																															
212	1200669887	884031E03M013	1.3m																																																																																																																																																																																																																																																																																																																																															
213	1200669888	884031E03M080	8m																																																																																																																																																																																																																																																																																																																																															
214	1200070510	883031E03M070	7m																																																																																																																																																																																																																																																																																																																																															
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DOCUMENT STATUS		P1	RELEASE DATE	2024/07/03	14:19:30
FORMAT: master-b-prod-A3		9		8	
REVISION: 11		7		6	
DATE: 2021/05/01		5		4	
		3		2	
		1			

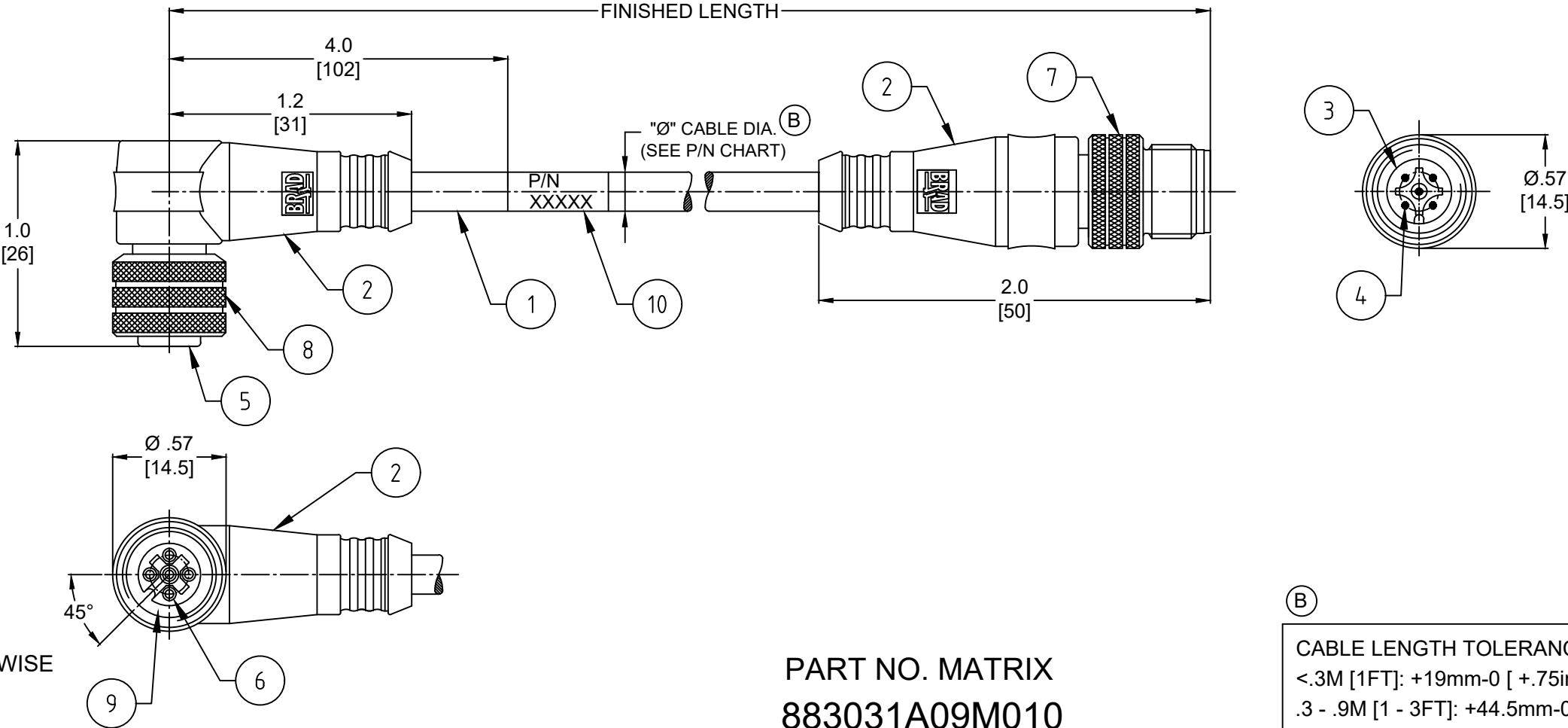
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIMENSION UNITS		SCALE		CURRENT REV DESC: ADD NEW PN FOR NEW LENGTH 7M			molex					
mm		1:1										
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 791338 DRWN: RSILLER 2024/07/03 CHK'D: THAERDT 2024/07/03 APPR: THAERDT 2024/07/03			CSE M12 XP AC FE RA MA STR XM DE					
ANGULAR TOL		± 1.0 °										
4 PLACES		±										
3 PLACES		±										
2 PLACES		± 0.05										
1 PLACE		± 0.3		INITIAL REVISION: DRWN: JMARSZALEK 2016/10/06 APPR: RSILLER 2016/12/08			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
0 PLACES		± 0.5					1200660973		PSD	000	A11	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		120066			GENERAL MARKET		4 OF 4	



PART NO	ENGINEERING NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200661137	883031A09M010	1M [3FT 3 IN]	3	.20/5.1
1200662082	884031A09M170	17M [55FT 9 IN]	4	.21/5.3
1200661396	885031A09M100	10M [32FT 9 IN]	5	.22/5.6



- NOTES:
1. MATERIAL: AS NOTED
 2. FINISH: AS NOTED
 3. ELECTRICAL:
VOLTAGE: 250V
CURRENT: 4A
 4. TEMP RATING: -20°TO +105°C
 5. PROTECTION: IP67 (WHEN MATED)
 6. COUPLING THREAD: M12X1
 7. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837
 8. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE



10	LABEL	VINYL	BLACK/YELLOW
9	O-RING	VITON	RED
8	FEMALE COUPLING NUT	BRASS	NICKEL PLATED
7	MALE COUPLING NUT	BRASS	NICKEL PLATED
6	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL
5	INSERT (FEMALE)	PUR	BLACK
4	CONTACT PIN	COPPER ALLOY	GOLD OVER NICKEL
3	INSERT (MALE)	PUR	BLACK
2	OVERMOLD	PUR	YELLOW
1	CABLE 22/3-5 AWG	PVC JACKET	YELLOW
ITEM	DESCRIPTION	MATERIAL	FINISH

PART NO. MATRIX

883031A09M010

POLES
(3, 4 & 5)

FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

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

FUNCTIONAL SYMBOLS F A =0 F E =0 F P =0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: ITEM #3 & #5 WERE NYLON. ITEM #10 WAS MYLAR. ADDED TOL CHART, CABLE DIA & CSA CERTIFICATE NUMBER. MODIFIED PN CHART				molex						
	INCH/MM		NTS												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
		mm	INCH												
	4 PLACES	±----	±----												
	3 PLACES	±----	±0.005		EC NO: 671333	2021/05/03		MICRO-CHANGE CORDSET, M12, 3-5 POLE, FEMALE 90DEG - MALE STRAIGHT, SINGLE KEY, #22 AWG							
	2 PLACES	±0.13	±0.01		DRWN: ABENJAMINLW										
	1 PLACE	±0.25	±0.02		CHK'D: RSTONE										
	0 PLACES	±----	±----		APPR: BWOODMAN	2021/07/28									
ANGULAR TOL ± 0.5 °				INITIAL REVISION:								PRODUCT CUSTOMER DRAWING			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: LSTEMMLE				DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION		
				APPR: NSTAUDIG				SD-120066-013		PSD		001	B		
				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120066		SEE CHART		GENERAL MARKET		1 OF 1	