

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

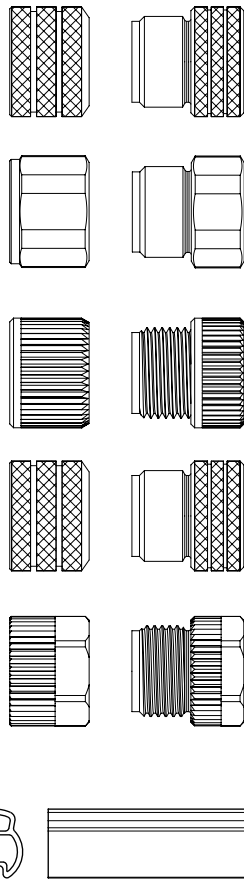
Units:
M=Meter
C=Centimeter

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

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

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

molex

CSE M12 XP AC FE RA MA STR XM DE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200660973

DOC TYPE

PSD

DOC PART

000

REVISION

A11

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2024/07/03

2024/07/03

2024/07/03

2016/10/06

2016/12/08

GENERAL MARKET

2 OF 4

DOCUMENT STATUS

P1

RELEASE DATE

2024/07/03

14:19:30

FORMAT: master-b-prod-A3

REVISION: 11

DATE: 2021/05/01

9

8

7

6

5

4

3

2

1

	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																												
	PART LIST																																																																																																																																																																																																																																																																					
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84	1200070446	884021S20M020	2m																																																																																																																																																																																																																																																																			
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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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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		REVISION: 11			
DATE: 2021/05/01					

10		9		8		7		6		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 CSE M12 XP AC FE RA MA STR XM DE					
mm		1:1											
GENERAL TOLERANCES (UNLESS SPECIFIED)													
ANGULAR TOL ± 1.0 °													
4 PLACES		±		EC NO: 791338				2024/07/03					
3 PLACES		±		DRWN: RSILLER				2024/07/03					
2 PLACES		± 0.05		CHK'D: THAERDT				2024/07/03					
1 PLACE		± 0.3		APPR: THAERDT				2024/07/03					
0 PLACES		± 0.5		INITIAL REVISION:				DOCUMENT NUMBER					
				DRWN: JMARSZALEK				2016/10/06					
				APPR: RSILLER				2016/12/08					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A3-SIZE		120066		1200660973		PSD		000 A11	
										GENERAL MARKET		4 OF 4	

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

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

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

DIMENSION UNITS

SCALE

mm

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

THIRD ANGLE PROJECTION

DRAWING

SERIES

A3-SIZE

120066

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

EC NO: 791338

DRWN: RSILLER

CHK'D: THAERDT

APPR: THAERDT

2024/07/03

2024/07/03

2024/07/03

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/10/06

2016/12/08

DOCUMENT NUMBER

1200660973

DOC TYPE

PSD

DOC PART

000

REVISION

A11

CSE M12 XP AC FE RA MA STR XM DE

PRODUCT CUSTOMER DRAWING

GENERAL MARKET

4 OF 4

DOCUMENT STATUS

P1

RELEASE DATE

2024/07/03

14:19:30

9

8

7

6

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3

2

1

FORMAT: master-b-prod-A3

REVISION: 11

DATE: 2021/05/01

9

8

7

6

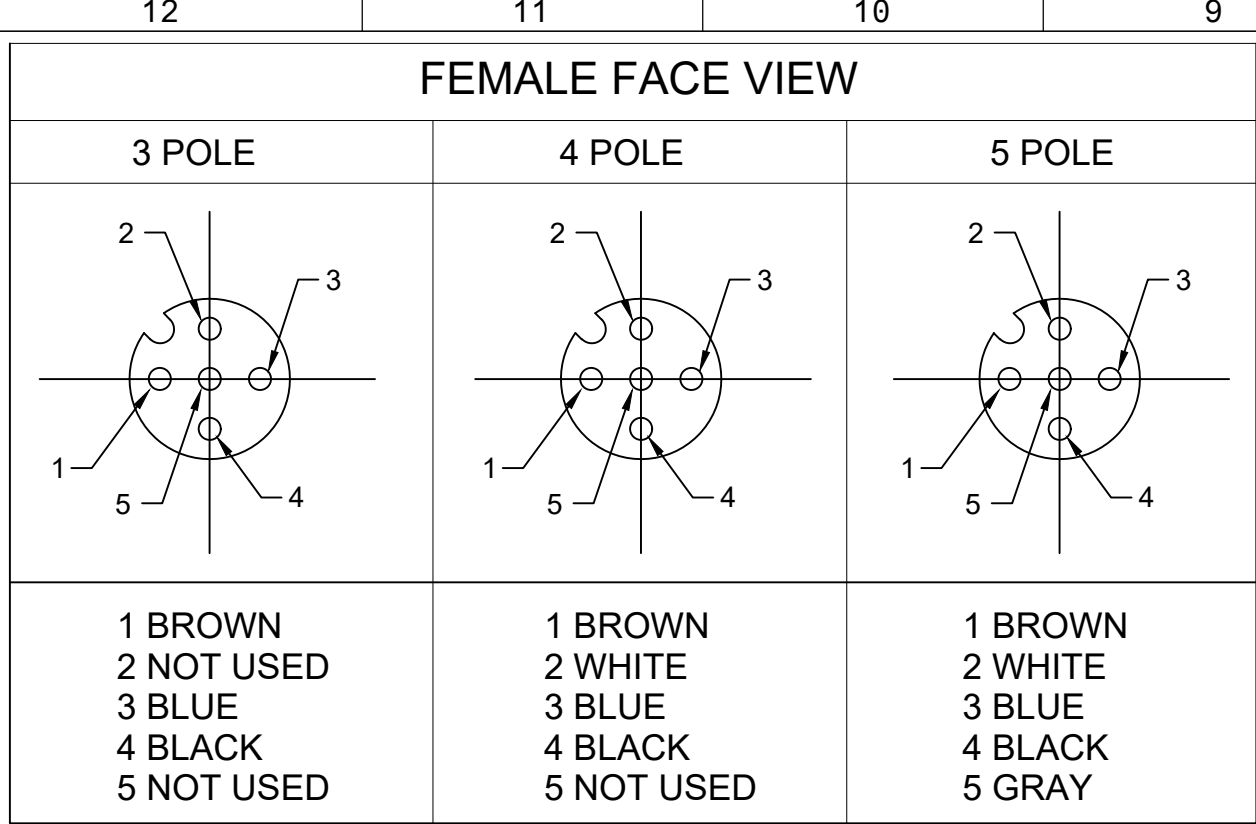
5

4

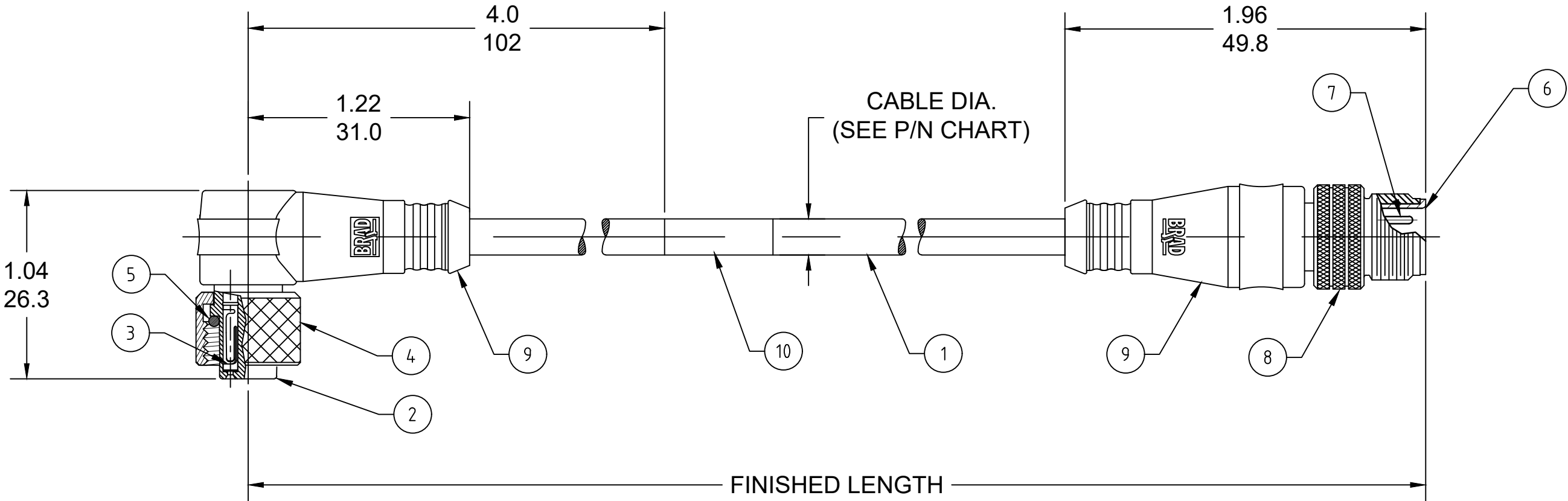
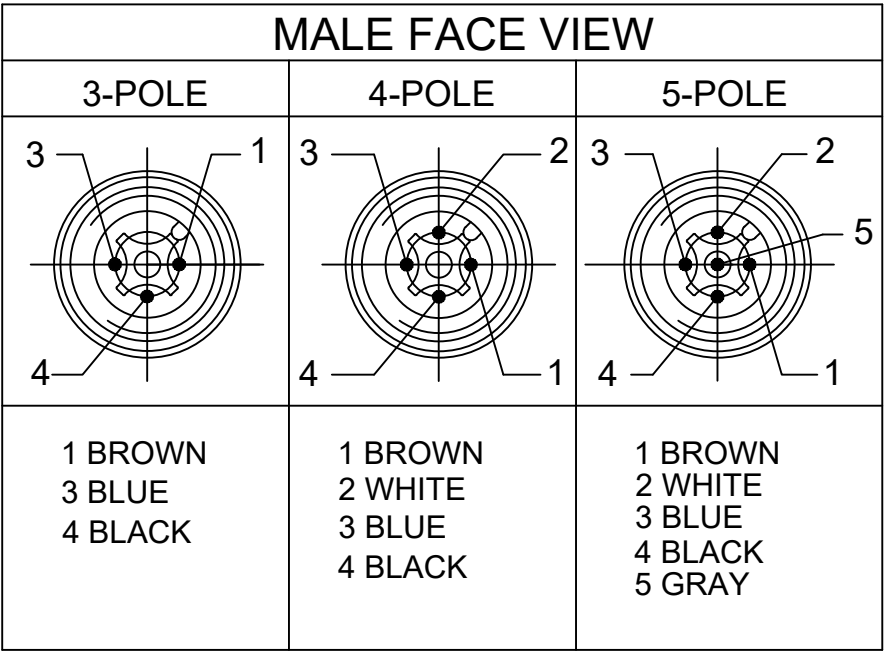
3

2

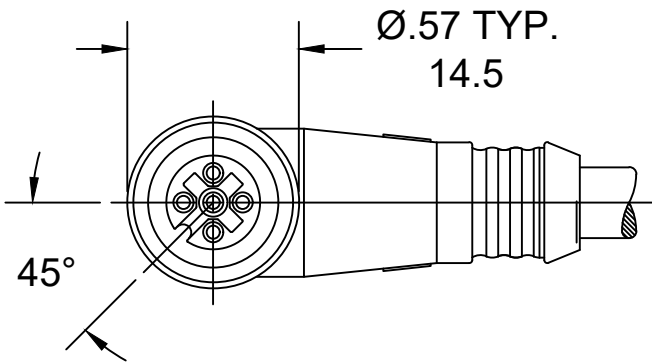
1



PART NO	ENGINEERING NO.	FINISHED LENGTH	POLES	CABLE DIA.
1200660221	883031K05M005	0.5M [1FT 7 IN]	3	.20/5.1
1200662145	885031K05M100	10M [32FT 9 IN]	5	.23/5.8
1200662227	884031K05M450	45M [147FT 8 IN]	4	.21/5.3



- 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



PART NO. MATRIX
883031K05M020

POLES: 3,4 & 5 FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

CABLE FLEX CHARACTERISTICS:

TORSIONAL FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
BEND FLEX TEST	10 MILLION CYCLES PER MIL-C-13777G
WELD SLAG RESISTANCE	WOODHEAD STANDARD S-300

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

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

FA=0

FC=0

FP=0

DIVISIONAL SYMBOLS

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DIMENSION UNITS

INCH/MM

SCALE

NTS

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: ITEM# 9 WAS TPE. UPDATED TEMP RATING. MODIFIED MATERIAL TABLE

EC NO: 645633

DRWN: ABENJAMINLW

CHK'D: RSTONE

APPR: BWOODMAN

2020/09/18

2020/09/29

2020/10/23

INITIAL REVISION:

DRWN: LSTEMMLE

APPR: FPACHER

2010/02/01

2010/02/03

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

120066

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-120066-024

DOC TYPE/DOC PART

PSD 001

REVISION

D

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1