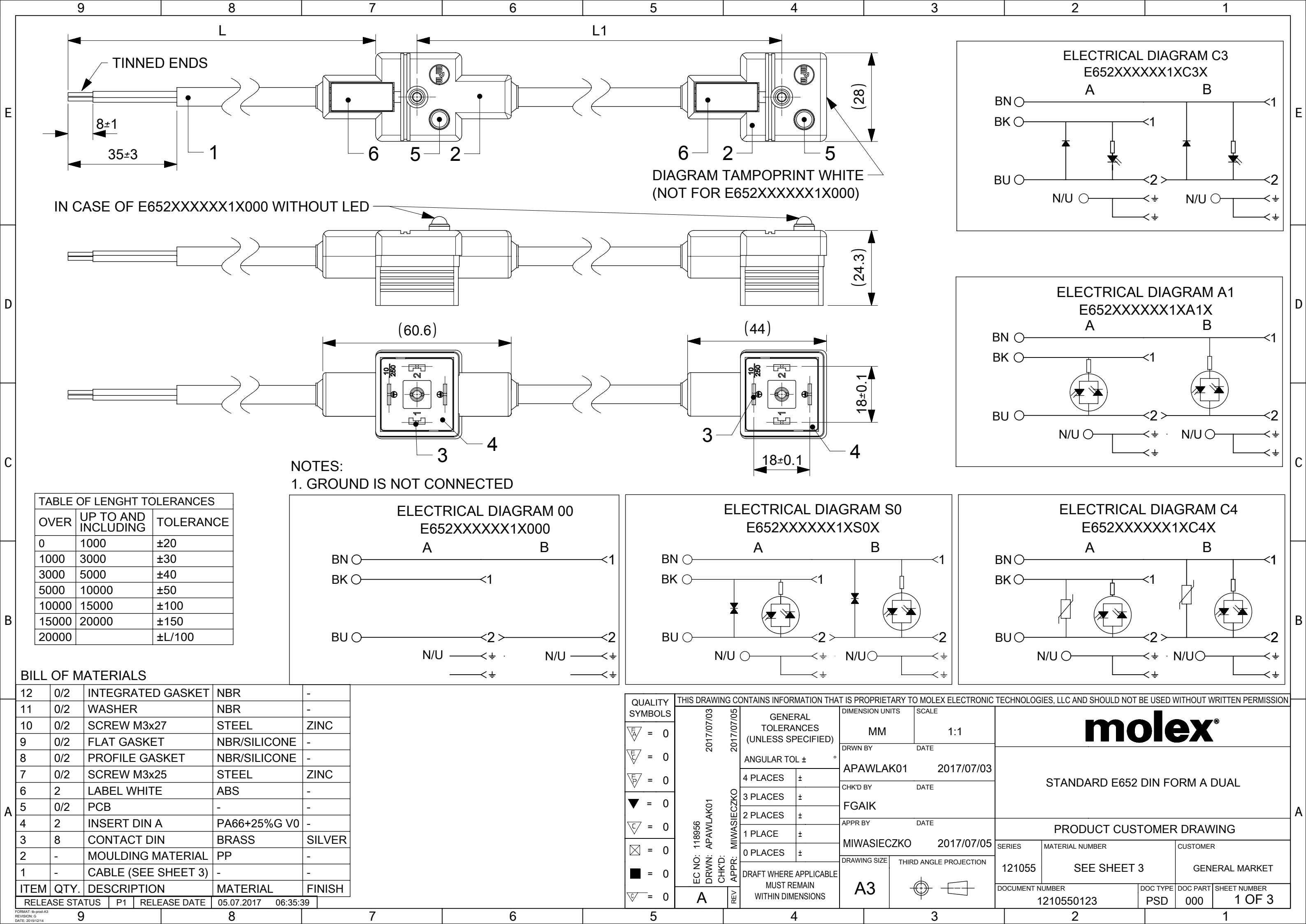




ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

E652 XX XXXX 1 XXXX

E - Packing without bags
W - Single packing
Q - Quick packing

Cable type:
See Table 1

Cable Cross Section Area:
See Table 1

Head Color:
G=Grey
N=Black
T=Transparent
A=CSA-UL Black
B=CSA-UL Grey

Cable Length in Meters (L):
A=1
B=1.5
C=2
D=2.5
E=3
F=3.5
G=4
H=4.5
L=5
M=5.5
N=6
P=6.5
Q=7
R=7.5
S=8
T=8.5
U=9
K=10

Cable Length in cm Between
2 Mouldings (L1)
Eg.: 15=15 cm
30=30 cm
1K=100 cm
min length=13 cm

Earth PIN Location:
1=Double Earth on
6H and 12H

Internal Circuit
Wiring Configuration
Eg.: C4, 00, S0
See Sheet 1

Voltage and LED Color:

1= 12V
2= 24V
3= 48V
4= 115V
5= 230V
RED LED

A= 12V
B= 24V
C= 48V
D= 115V
E= 230V
GREEN LED

G= 12V
H= 24V
K= 48V
L= 115V
M= 230V
YELLOW LED

Type of Gasket and Screw:

- 1=NBR Profile Gasket + Fixing Screw (M3x25 mm)
- 2=NBR Flat Gasket + Fixing Screw (M3x25 mm)
- 3=Silicone Profile Gasket + Fixing Screw (M3x25 mm)
- 4=Silicone Flat Gasket + Fixing Screw (M3x25 mm)
- P=Integrated Gasket Assembled + Fixing Screw with Washer Assembled (M3x27 mm)
- R=Integrated Gasket + Fixing Screw + Washer (M3x27 mm)
- T=Profile Gasket + Fixing Screw + Washer (M3x27 mm)

Profile Gasket +
Screw M3x25 mm

Flat Gasket +
Screw M3x25 mm

Profile Gasket +
Screw with Washer M3x27 mm

Integrated Gasket +
Screw with Washer M3x27 mm

molex®

STANDARD E652 DIN FORM A DUAL

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER		
121055	SEE SHEET 3	GENERAL MARKET		
DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
1210550123		PSD	000	2 OF 3

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TABLE 1 - CABLES

Molex PN	mPm	Code	Wires	Cross Section	Material	Colour	Diameter $\varnothing$
1210180080	I	0	3	1 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6.4±0.2 mm
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2 mm
1210180128	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5.6±0.2 mm
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6.2±0.25 mm
-	A	2	5	20 AWG	PVC CSA/UL 2661	Black	7±0.2 mm
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2 mm
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2 mm
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6.2±0.2 mm
-	B	2	5	20 AWG	PUR CSA/UL 20668	Black	7±0.2 mm
1210180122	D	2	3	0.5 mm²	PVC TI2 CEI 20-20	Grey	5.5±0.2 mm
-	F	2	3	0.5 mm²	CNEOMO	Grey RAL7000	5.5±0.2 mm
1210180047	I	2	2	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	5.5+0.3/-0 mm
1210180284	I	2	3	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	5.5+0.3/-0 mm
1210180146	I	2	4	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6.5±0.2 mm
1210180177	I	2	5	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7±0.2 mm
1210180022	N	2	2	0.5 mm²	PVCH03	Black	5.2±0.2 mm
1202092753	N	2	3	0.5 mm²	PVCH03	Black	5.5±0.2 mm
1210180153	N	2	4	0.5 mm²	PVCH03	Black	6.9 mm max
1210180046	P	2	2	0.5 mm²	PUR-BLEND	Black	5.5±0.2 mm
1202092439	P	2	3	0.5 mm²	PUR-BLEND	Black	5.5+0.3/-0 mm
1210180302	P	2	4	0.5 mm²	PUR-BLEND	Black	6.5±0.2 mm
1202092215	P	2	5	0.5 mm²	PUR-BLEND	Black	7+0.3/-0.1 mm
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25 mm
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25 mm
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Black	7±0.3 mm
1210180464	A	3	5	18 AWG	PVC CSA/UL 2661	Black	7.8±0.25 mm
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6.8±0.2 mm
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Black	6.5±0.2 mm
1210180160	B	3	4	18 AWG	PUR CSA/UL 20668	Black	7±0.2 mm
1210180463	B	3	5	18 AWG	PUR CSA/UL 20668	Black	7.8±0.2 mm
1210180073	D	3	3	0.75 mm²	PVC TI2 CEI 20-20	Grey	6.5±0.2 mm
1210180145	D	3	4	0.75 mm²	PVC TI2 CEI 20-20	Grey	7.1±0.2 mm
1202098206	I	3	2	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7001	5.5±0.2 mm
1210180120	I	3	3	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6±0.2 mm
1210180143	I	3	4	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7±0.2 mm
1210180032	N	3	2	0.75 mm²	PVCH05	Black	6.2±0.2 mm
1210180069	N	3	3	0.75 mm²	PVCH05	Black	6.5±0.2 mm
1210180144	N	3	4	0.75 mm²	PVCH05	Black	7.1±0.2 mm
1210180174	N	3	5	0.75 mm²	PVCH05	Black	8.0+0.2/-0 mm
1202094190	P	3	2	0.75 mm²	PUR-BLEND	Black	6.5±0.2 mm
1210180071	P	3	3	0.75 mm²	PUR-BLEND	Black	6.5±0.2 mm
1210180152	P	3	4	0.75 mm²	PUR-BLEND	Black	7±0.2 mm
1210180384	R	3	3	0.75 mm²	TPR HAL. FREE	Black	6.5±0.2 mm
1210180094	T	3	3	0.75 mm²	PUR CSA/UL	Yellow	6.5±0.2 mm
1210180309	Y	3	3	0.75 mm²	SIL/0300	Red	6.5±0.2 mm
1210180081	F	4	3	1 mm²	CNEOMO	Grey RAL7000	7.1+0.2/-0 mm
-	F	4	4	1 mm²	CNEOMO	Grey RAL7000	7.1+0.2/-0 mm
1210180042	I	4	2	1 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7.1+0.2/-0 mm
1210180079	I	4	3	1 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7.1+0.2/-0 mm
1210180036	N	4	2	1 mm²	PVCH05	Black	6.5±0.2 mm
1210180082	N	4	3	1 mm²	PVCH05	Black	6.9±0.2 mm
1210180117	R	4	3	1 mm²	TPR HAL. FREE	Black	7.1±0.2 mm
1210180085	N	5	3	1.5 mm²	PVCH05	Black	8.3+0.2/-0 mm
1210180313	I	6	2	0.35 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	4.8±0.2 mm
-	A	7	3	20 AWG	PVC CSA/UL 2661	Yellow	5.6±0.2 mm
1210180149	I	9	4	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7.3±0.2 mm

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TABLE 2 - PART LIST

MOLEX PN	ENGINEERING PN
1210550123	E652N3NC3011C3B
1210550139	E652N2NL1511S02
1210550160	E652N2NL151PS02
1210550206	E652N3NE1611C42
1210550207	E652N3NE1611C41
1210550276	E652N2NL1611C4H
1210550278	E652N3NB3511000
1210550279	E652N3NL1611C4H
1210550281	E652P3NA1311A11
1210550297	E652N3NC1611000
1210550304	E652N2NE201PS02
1210550316	E652N2NE251PS02
1210550335	E652P3NA131PS0G
1210550336	E652P3NA151PS0G

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TABLE 1 - CABLES

Molex PN	mPm	Code	Wires	Cross Section	Material	Colour	Diameter $\varnothing$
1210180080	I	0	3	1 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6.4±0.2 mm
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2 mm
1210180128	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5.6±0.2 mm
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6.2±0.25 mm
-	A	2	5	20 AWG	PVC CSA/UL 2661	Black	7±0.2 mm
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2 mm
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2 mm
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6.2±0.2 mm
-	B	2	5	20 AWG	PUR CSA/UL 20668	Black	7±0.2 mm
1210180122	D	2	3	0.5 mm²	PVC TI2 CEI 20-20	Grey	5.5±0.2 mm
-	F	2	3	0.5 mm²	CNEOMO	Grey RAL7000	5.5±0.2 mm
1210180047	I	2	2	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	5.5+0.3/-0 mm
1210180284	I	2	3	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	5.5+0.3/-0 mm
1210180146	I	2	4	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6.5±0.2 mm
1210180177	I	2	5	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7±0.2 mm
1210180022	N	2	2	0.5 mm²	PVCH03	Black	5.2±0.2 mm
1202092753	N	2	3	0.5 mm²	PVCH03	Black	5.5±0.2 mm
1210180153	N	2	4	0.5 mm²	PVCH03	Black	6.9 mm max
1210180046	P	2	2	0.5 mm²	PUR-BLEND	Black	5.5±0.2 mm
1202092439	P	2	3	0.5 mm²	PUR-BLEND	Black	5.5+0.3/-0 mm
1210180302	P	2	4	0.5 mm²	PUR-BLEND	Black	6.5±0.2 mm
1202092215	P	2	5	0.5 mm²	PUR-BLEND	Black	7+0.3/-0.1 mm
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25 mm
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25 mm
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Black	7±0.3 mm
1210180464	A	3	5	18 AWG	PVC CSA/UL 2661	Black	7.8±0.25 mm
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6.8±0.2 mm
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Black	6.5±0.2 mm
1210180160	B	3	4	18 AWG	PUR CSA/UL 20668	Black	7±0.2 mm
1210180463	B	3	5	18 AWG	PUR CSA/UL 20668	Black	7.8±0.2 mm
1210180073	D	3	3	0.75 mm²	PVC TI2 CEI 20-20	Grey	6.5±0.2 mm
1210180145	D	3	4	0.75 mm²	PVC TI2 CEI 20-20	Grey	7.1±0.2 mm
1202098206	I	3	2	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7001	5.5±0.2 mm
1210180120	I	3	3	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6±0.2 mm
1210180143	I	3	4	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7±0.2 mm
1210180032	N	3	2	0.75 mm²	PVCH05	Black	6.2±0.2 mm
1210180069	N	3	3	0.75 mm²	PVCH05	Black	6.5±0.2 mm
1210180144	N	3	4	0.75 mm²	PVCH05	Black	7.1±0.2 mm
1210180174	N	3	5	0.75 mm²	PVCH05	Black	8.0+0.2/-0 mm
1202094190	P	3	2	0.75 mm²	PUR-BLEND	Black	6.5±0.2 mm
1210180071	P	3	3	0.75 mm²	PUR-BLEND	Black	6.5±0.2 mm
1210180152	P	3	4	0.75 mm²	PUR-BLEND	Black	7±0.2 mm
1210180384	R	3	3	0.75 mm²	TPR HAL. FREE	Black	6.5±0.2 mm
1210180094	T	3	3	0.75 mm²	PUR CSA/UL	Yellow	6.5±0.2 mm
1210180309	Y	3	3	0.75 mm²	SIL/0300	Red	6.5±0.2 mm
1210180081	F	4	3	1 mm²	CNEOMO	Grey RAL7000	7.1+0.2/-0 mm
-	F	4	4	1 mm²	CNEOMO	Grey RAL7000	7.1+0.2/-0 mm
1210180042	I	4	2	1 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7.1+0.2/-0 mm
1210180079	I	4	3	1 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7.1+0.2/-0 mm
1210180036	N	4	2	1 mm²	PVCH05	Black	6.5±0.2 mm
1210180082	N	4	3	1 mm²	PVCH05	Black	6.9±0.2 mm
1210180117	R	4	3	1 mm²	TPR HAL. FREE	Black	7.1±0.2 mm
1210180085	N	5	3	1.5 mm²	PVCH05	Black	8.3+0.2/-0 mm
1210180313	I	6	2	0.35 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	4.8±0.2 mm
-	A	7	3	20 AWG	PVC CSA/UL 2661	Yellow	5.6±0.2 mm
1210180149	I	9	4	0.75 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7.3±0.2 mm

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TABLE 2 - PART LIST

MOLEX PN	ENGINEERING PN
1210550123	E652N3NC3011C3B
1210550139	E652N2NL1511S02
1210550160	E652N2NL151PS02
1210550206	E652N3NE1611C42
1210550207	E652N3NE1611C41
1210550276	E652N2NL1611C4H
1210550278	E652N3NB3511000
1210550279	E652N3NL1611C4H
1210550281	E652P3NA1311A11
1210550297	E652N3NC1611000
1210550304	E652N2NE201PS02
1210550316	E652N2NE251PS02
1210550335	E652P3NA131PS0G
1210550336	E652P3NA151PS0G

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TABLE 1 - CABLES

Molex PN	mPm	Code	Wires	Cross Section	Material	Colour	Diameter $\varnothing$
1210180080	I	0	3	1 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6.4±0.2 mm
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2 mm
1210180128	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5.6±0.2 mm
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6.2±0.25 mm
-	A	2	5	20 AWG	PVC CSA/UL 2661	Black	7±0.2 mm
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2 mm
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2 mm
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6.2±0.2 mm
-	B	2	5	20 AWG	PUR CSA/UL 20668	Black	7±0.2 mm
1210180122	D	2	3	0.5 mm²	PVC TI2 CEI 20-20	Grey	5.5±0.2 mm
-	F	2	3	0.5 mm²	CNEOMO	Grey RAL7000	5.5±0.2 mm
1210180047	I	2	2	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	5.5+0.3/-0 mm
1210180284	I	2	3	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	5.5+0.3/-0 mm
1210180146	I	2	4	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	6.5±0.2 mm
1210180177	I	2	5	0.5 mm²	PVC CEI 2022 II O.R.	Grey RAL7035	7±0.2 mm
1210180022	N	2	2	0.5 mm²	PVCH03	Black	5.2±0.2 mm
1202092753	N	2	3	0.5 mm²	PVCH03	Black	5.5±0.2 mm
1210180153	N	2	4	0.5 mm²	PVCH03	Black	6.9 mm max
1210180046	P	2	2	0.5 mm²	PUR-BLEND	Black	5.5±0.2 mm
1202092439	P	2	3	0.5 mm²	PUR-BLEND	Black	5.5+0.3/-0 mm
1210180302	P	2	4	0.5 mm²	PUR-BLEND	Black	6.5±0.2 mm
1202092215	P	2	5	0.5 mm²	PUR-BLEND	Black	7+0.3/-0.1 mm
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25 mm
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	

Mouser Electronics

Authorized Distributor

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