

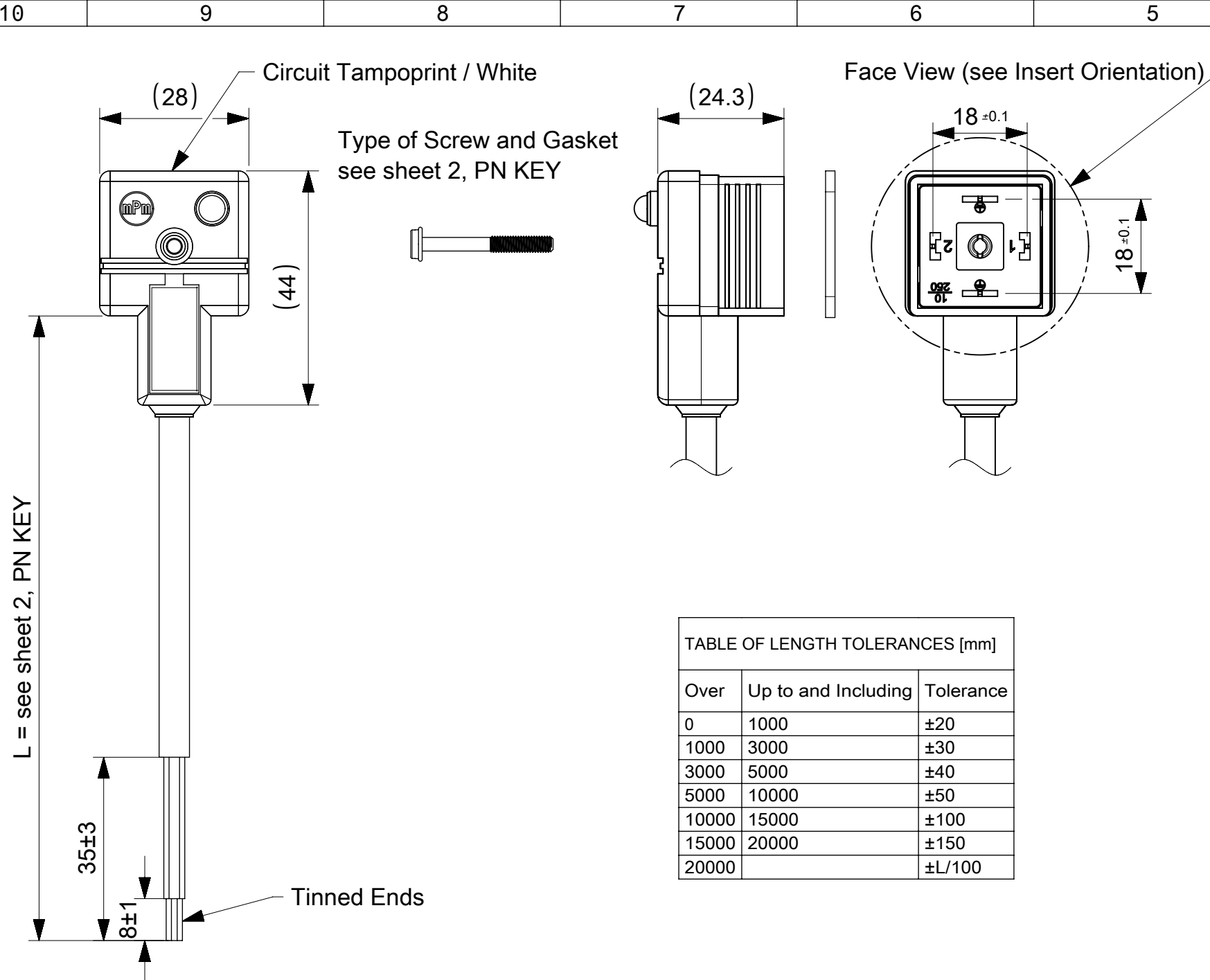


TABLE OF LENGTH TOLERANCES [mm]		
Over	Up to and Including	Tolerance
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

INSERT ORIENTATION	
Housing 2 Poles + 2 Earths	Housing 3 Poles + 1 Earth
Earth H6/H12 E452XXXXXX1XXXX	Earth H12 E452XXXXXX2XXXX PIN 3 Not Used
Earth H3/H9 E452XXXXXX4XXXX	Earth H3 E452XXXXXX3XXXX PIN 3 Not Used
Earth H6/H12 E452XXXXXX1XC3X E452XXXXXX1XC7X E452XXXXXX1XR0X E452XXXXXX1XR2X Insert rotated 180°	Earth H6 E452XXXXXX6XXXX PIN 3 Not Used
	Earth H9 E452XXXXXX9XXXX PIN 3 Not Used

Type of Screws and Gaskets

Profiled Gasket	Flat Gasket	Integrated Gasket	Screw M3x25
 (□ 29.5) (5.2) (1.8)	 (□ 28) (1.8)	 (□ 28) (1.8) (9.3)	 (25) M 3
			Screw M3x27 + Washer
			 (27) M 3 NBR Washer

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

PN KEY ENGINEERING PN

E

4

5

2

X

X

X

X

X

X

X

X

X

X

X

E - Packing without bag
W - Single Packing

Number of wires:
2 - 2 Wires + Earth

Cable type:
See Table

Head Colour:
G - Grey
N - Black
A - CSA-UL Black
B - CSA-UL Grey

Cable Length in[cm]
050 = 50cm
300 = 300cm
10K = 1000cm

Earth PIN location (see insert orientation table):
1 = Double Earth on H6 & H12
2 = Earth on H12
3 = Earth on H3
4 = Double Earth on H3 & H9
6 = Earth on H6
9 = Earth on H9

Wiring Configuration:
See sheet 3

Voltage and Led Colour

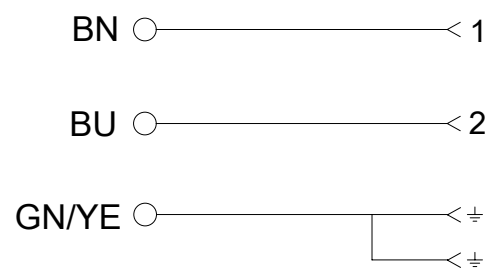
Red Led:	Green Led:	Yellow Led:
1 = 12V	A = 12V	G = 12V
2 = 24V	B = 24V	H = 24V
3 = 48V	C = 48V	K = 48V
4 = 115V	D = 115V	L = 115V
5 = 230V	E = 230V	M = 230V

Type of Gasket and Screw (see sheet 1):
1 = NBR Profile Gasket + Fixing Screw M3x25mm
2 = NBR Flat Gasket + Fixing Screw M3x25mm
3 = Silicone Profile Gasket + Fixing Screw M3x25mm
4 = Silicone Flat Gasket + Fixing Screw M3x25mm
P = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm Assembled on Connector
R = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm NOT Assembled on Connector
T = NBR Profile Gasket + Fixing Screw with Washer M3x27mm

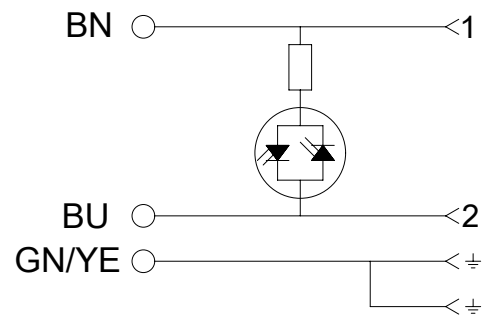
CABLE TYPE	NO.
------------	-----

WIRING DIAGRAMS

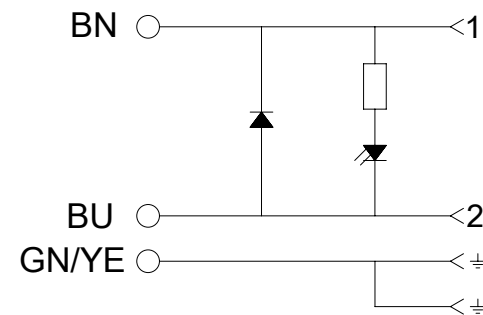
ELECTRICAL DIAGRAM 00



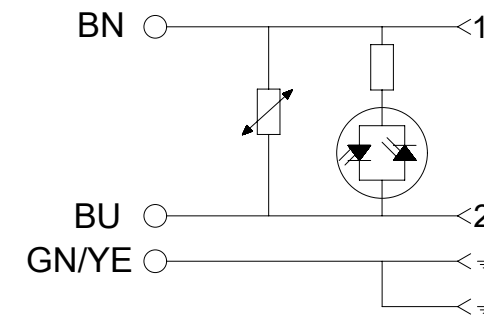
ELECTRICAL DIAGRAM A1



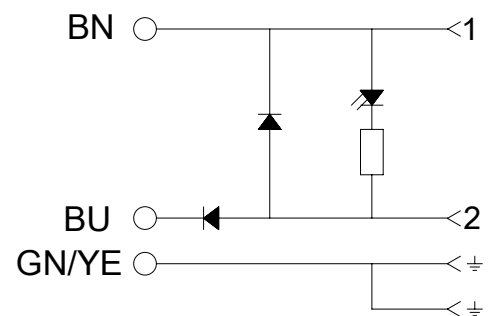
ELECTRICAL DIAGRAM C3



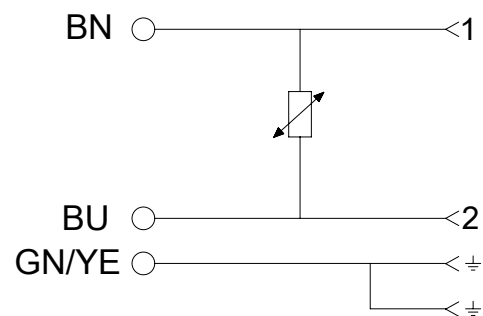
ELECTRICAL DIAGRAM C4



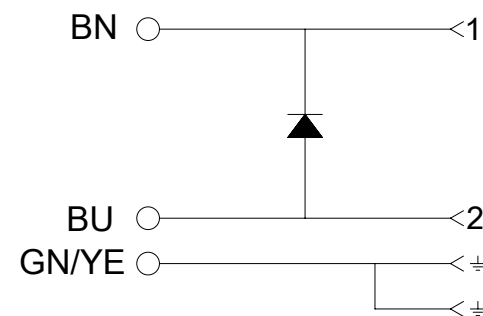
ELECTRICAL DIAGRAM C7



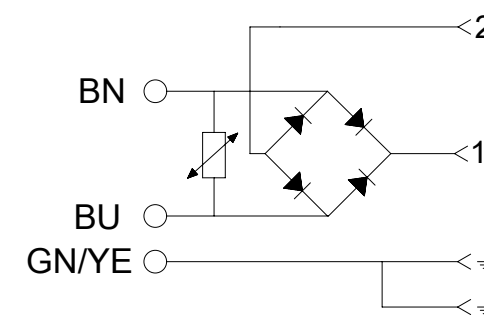
ELECTRICAL DIAGRAM D0



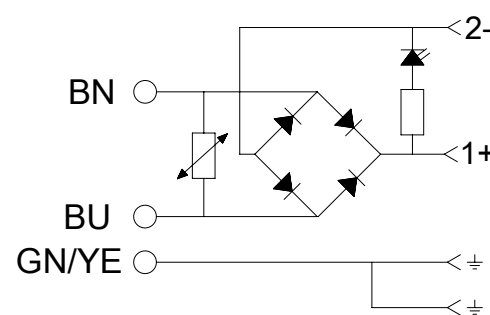
ELECTRICAL DIAGRAM E0



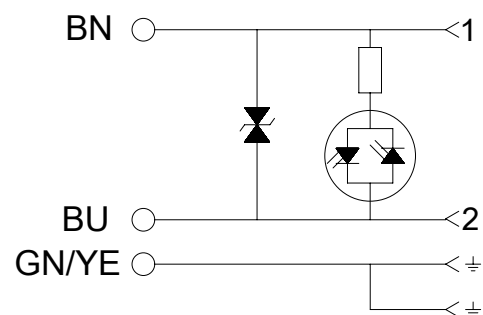
ELECTRICAL DIAGRAM R0

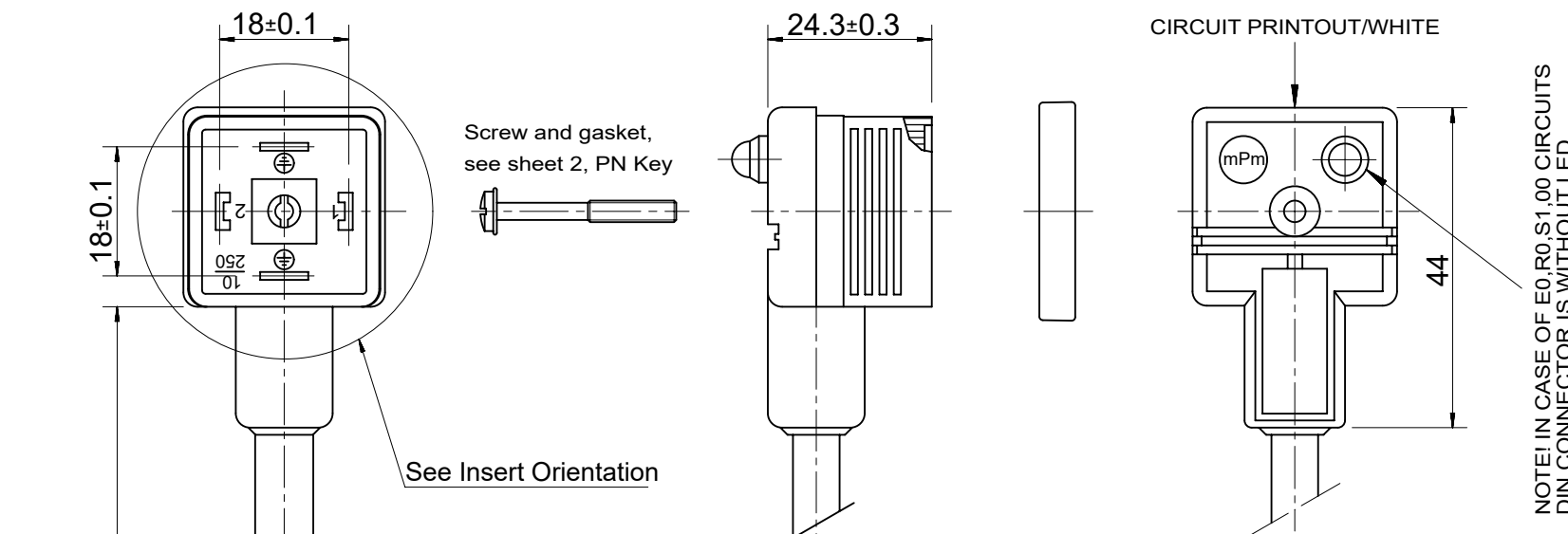


ELECTRICAL DIAGRAM R2



ELECTRICAL DIAGRAM S0





DOUBLE EARTH ON 6H & 12H E452XXXXXX1XXXX	EARTH PIN ON 12H E452XXXXXX2XXXX	EARTH PIN ON 6H E452XXXXXX6XXXX
DOUBLE EARTH ON 3H & 9H E452XXXXXX4XXXX	EARTH PIN ON 3H E452XXXXXX3XXXX	EARTH PIN ON 9H E452XXXXXX9XXXX

DOUBLE EARTH ON 6H & ON 12H
E452XXXXXX1XC3X
E452XXXXXX1XC7X
E452XXXXXX1XR0X
E452XXXXXX1XR2X

NOTE! IN CASE OF CIRCUIT
C3,C7,R0,R2 HOUSING INVERSE OF 180°.

Table of length tolerances [mm]		
Over	Up to and including	Tolerance (+)
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

WIRING CONFIGURATION

	10	9	8	7	6	5	4	3	2	1																																																																																					
	TABLE 2 - CABLES				TABLE 2 - CABLES																																																																																										
F	<table> <tr> <th>Molex PN Raw cable</th><th>Cable type</th><th>Cable code</th><th>Wires no.</th><th>Cross Section</th><th>Jacket material</th><th>Jacket color</th><th>Diameter Ø [mm]</th><th>Wire colors</th></tr> <tr><td>1210180080</td><td>I</td><td>0</td><td>3</td><td>1 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>6.4±0.2</td><td>BN, BU, GN/YE</td></tr> <tr><td>1210180467</td><td>A</td><td>2</td><td>2</td><td>20 AWG</td><td>PVC CSA/UL 2661</td><td>Black</td><td>5.4±0.2</td><td>BN, BU</td></tr> <tr><td>1210180128</td><td>A</td><td>2</td><td>3</td><td>20 AWG</td><td>PVC CSA/UL 2661</td><td>Black</td><td>5.6±0.2</td><td>BN, BU, GN/YE</td></tr> <tr><td>1210180394</td><td>A</td><td>2</td><td>4</td><td>20 AWG</td><td>PVC CSA/UL 2661</td><td>Black</td><td>6.2±0.25</td><td>BN, BU, BK, GN/YE</td></tr> <tr><td>1210180297</td><td>B</td><td>2</td><td>2</td><td>20 AWG</td><td>PUR CSA/UL 20668</td><td>Black</td><td>5.6±0.2</td><td>BN, BU</td></tr> <tr><td>1210180126</td><td>B</td><td>2</td><td>3</td><td>20 AWG</td><td>PUR CSA/UL 20668</td><td>Black</td><td>5.6±0.2</td><td>BN, BU, GN/YE</td></tr> <tr><td>1210180387</td><td>B</td><td>2</td><td>4</td><td>20 AWG</td><td>PUR CSA/UL 20668</td><td>Black</td><td>6.3±0.2</td><td>BN, BU, BK, GN/YE</td></tr> <tr><td>1210180122</td><td>D</td><td>2</td><td>3</td><td>0.5 mm²</td><td>PVC CEI 20-20</td><td>Grey</td><td>5.5±0.2</td><td>BN, BU, GN/YE</td></tr> <tr><td>1210180047</td><td>I</td><td>2</td><td>2</td><td>0.5 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>5.5+0.3/-0</td><td>BN, BU</td></tr> <tr><td>1210180284</td><td>I</td><td>2</td><td>3</</td></tr></table>	Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors	1210180080	I	0	3	1 mm²	PVC CEI 2022 II O.R.	Grey	6.4±0.2	BN, BU, GN/YE	1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2	BN, BU	1210180128	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5.6±0.2	BN, BU, GN/YE	1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6.2±0.25	BN, BU, BK, GN/YE	1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU	1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU, GN/YE	1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6.3±0.2	BN, BU, BK, GN/YE	1210180122	D	2	3	0.5 mm²	PVC CEI 20-20	Grey	5.5±0.2	BN, BU, GN/YE	1210180047	I	2	2	0.5 mm²	PVC CEI 2022 II O.R.	Grey	5.5+0.3/-0	BN, BU	1210180284	I	2	3</
Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors																																																																																							
1210180080	I	0	3	1 mm²	PVC CEI 2022 II O.R.	Grey	6.4±0.2	BN, BU, GN/YE																																																																																							
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2	BN, BU																																																																																							
1210180128	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5.6±0.2	BN, BU, GN/YE																																																																																							
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6.2±0.25	BN, BU, BK, GN/YE																																																																																							
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU																																																																																							
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU, GN/YE																																																																																							
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6.3±0.2	BN, BU, BK, GN/YE																																																																																							
1210180122	D	2	3	0.5 mm²	PVC CEI 20-20	Grey	5.5±0.2	BN, BU, GN/YE																																																																																							
1210180047	I	2	2	0.5 mm²	PVC CEI 2022 II O.R.	Grey	5.5+0.3/-0	BN, BU																																																																																							
1210180284	I	2	3</																																																																																												

