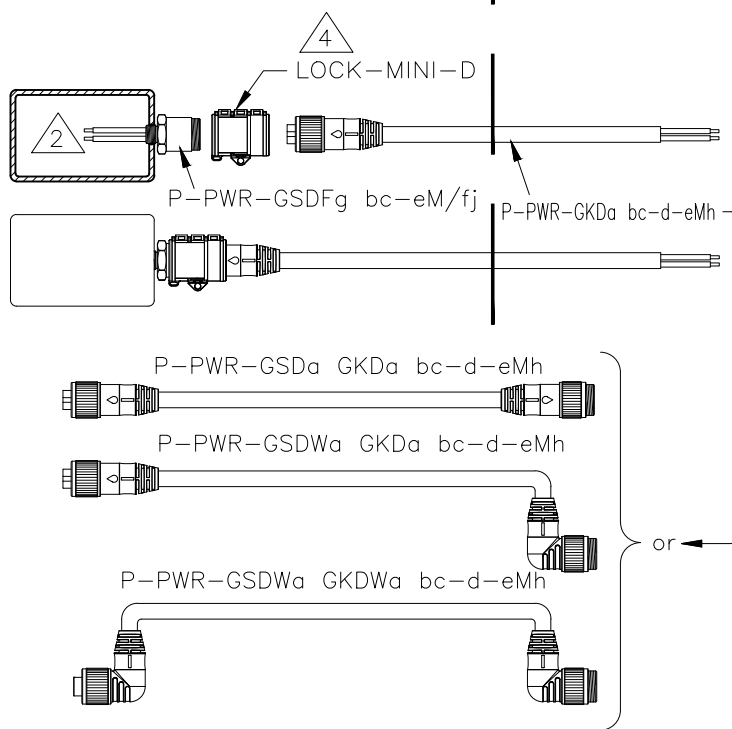


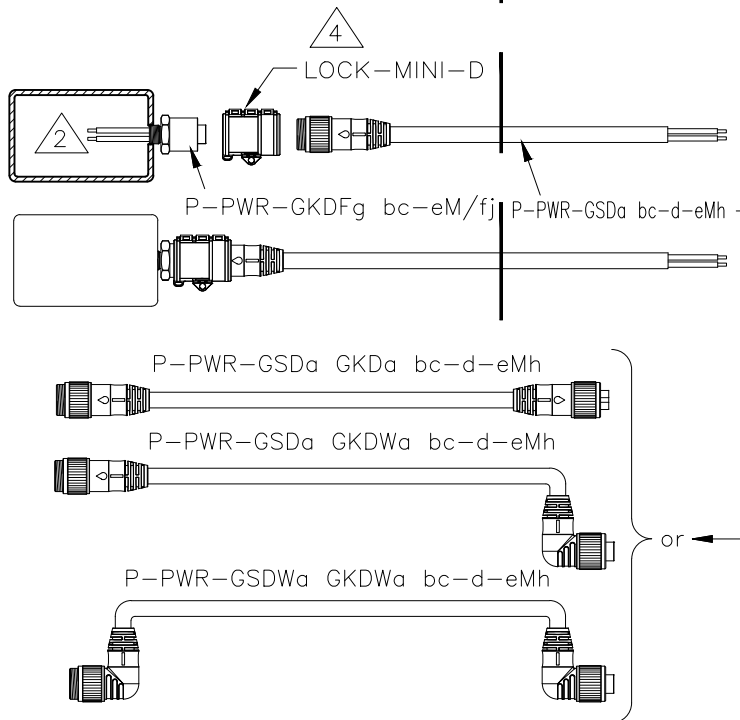
Hazardous Location
Class I, Division 2, Group A, B, C or D
Class I, Zone 2, Group IIC

Nonhazardous Location



Hazardous Location
Class I, Division 2, Group A, B, C or D
Class I, Zone 2, Group IIC

Nonhazardous Location



Notes:

1. The installation must be in accordance with the National Electrical Code (NEC) and this control drawing. Cable runs must be installed per the NEC requirements for TC-ER cable. Unmolded cable ends must be installed using terminating fittings approved for the location.

2. Field device must be certified for installation in the appropriate Class I, Division 2 hazardous location.

3. Model number key:

- a = Material Code A, M or V
- b = Number/AWG of conductors 30, 32, 34, 40, 42, or 44
- c = Pinout/color code 1, 2, 3, 4, 5, 6, 7, 8, 9 or blank
- d = 4-digit TC-ER cable number
- e = cable or lead length in meters
- f = Entry thread /14.5/NPT, /14.75/NPT or M20
- g = Material Code A, V or blank
- h = Options /S1055, /S1204, /S1205, /S1294, /S1295, /S1599, /S3063, /S3064, /S3276, /S3530, /S3546, /S4000, or blank
- j = Options /S1204, /S1205, /S1232, /S1294, /S1295, /S3530, /S3546, /S3063, /S3064, or blank

4. **lokfast**® guards on quick-disconnects require a tool to disconnect, rendering the connection not normally arcing.

5. The molded construction of the cordset and the gas/vaportight continuous sheath of the cable meet the requirements of the NEC for cable seals in Class I, Division 2.

6. D-size **minifast**® (P-PWR-GS... or P-PWR-GK...) cord and receptacle ratings:

Contact and Conductor Size	W/3 Conductors (b = 3x)	W/4 Conductors (b = 4x)
10 AWG (b = x0)	600V, 40A	600V, 32A
12 AWG (b = x2)	600V, 30A	600V, 27A
14 AWG (b = x4)	600V, 27A	600V, 23A

Drawing No.:

NI-2.416

TURCK

3000 Campus Drive
Plymouth, MN 55441
Phone: (763) 553-7300

Title: Installation of FM Approved
Turck Process Wiring System

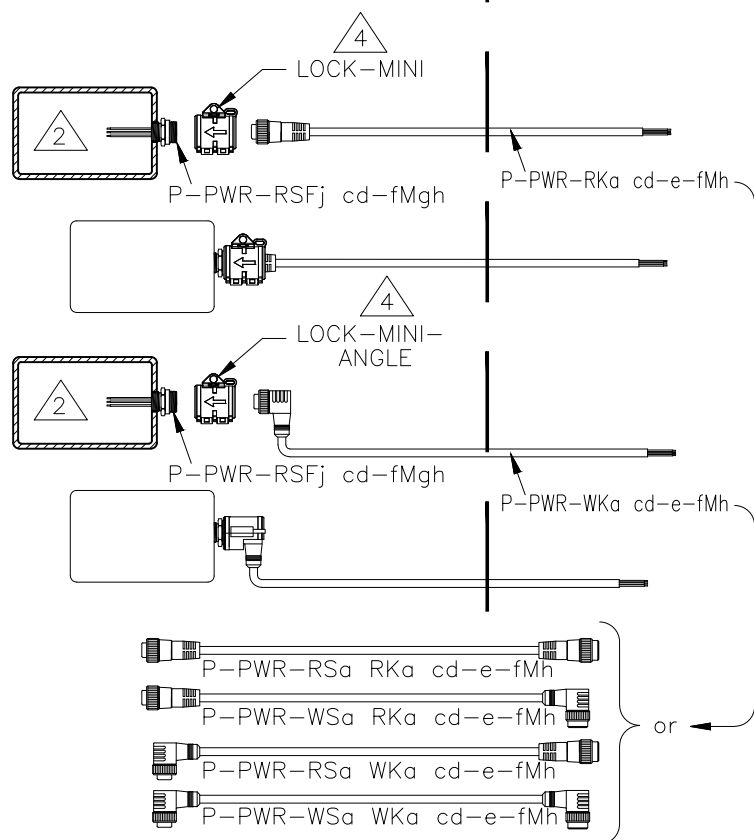
Scale: NONE

Sheet 1 of 4

C	Update current ratings	TKM	12/2/20
B	Add Zone eq., M20, /S1200, Sht 4 for EX recept., corr. table Sht 3	BVL	10/8/15
A	Release	BVL	5/1/12
Rev	Description	Drft	Date

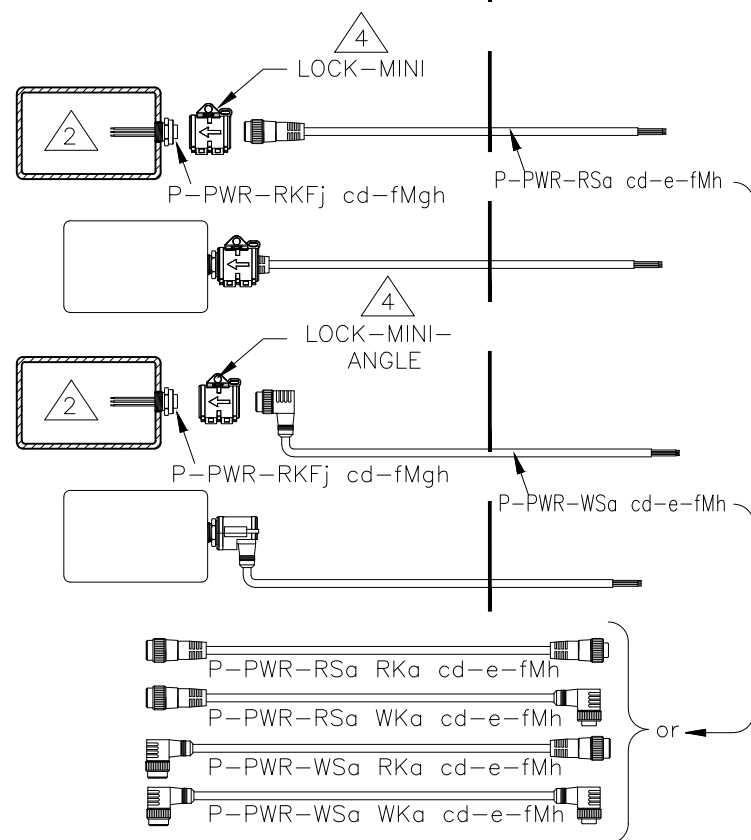
Hazardous Location
Class I, Division 2, Group A, B, C or D
Class I, Zone 2, Group IIC

Nonhazardous Location



Hazardous Location
Class I, Division 2, Group A, B, C or D
Class I, Zone 2, Group IIC

Nonhazardous Location

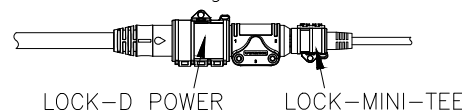
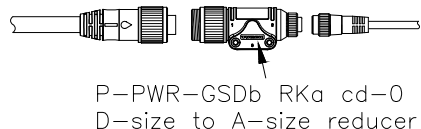


Hazardous Location
Class I, Division 2, Group A, B, C, or D

FM Approved Reducer and cordsets

Connect approved cordsets while circuits are de-energized

Install **lokfast**® guards on all quick-disconnects before circuits are energized



Notes:

- The installation must be in accordance with the National Electrical Code (NEC) and this control drawing. Cable runs must be installed per the NEC requirements for TC-ER cable. Unmolded cable ends must be installed using terminating fittings approved for the location.
- Field device must be certified for installation in the appropriate Class I, Division 2 hazardous location.
- Approved cords and receptacles identified and installed per Sheets 1 and 2.
- Model number key:

a = Material code M or V	f = cable length in meters
b = Material code A, M or V	g = /14.5/NPT, /14.75/NPT, or M20
c = Number/AWG of conductors 34 or 44	h = Option /S1055, /S1269, S1294, /S1295, /S1599, /S3063, /S3276, /S3282, /S3288, /S3530, /S4000 or blank
d = Pinout/color code 1, 2, 3, 4, 5, 6, 7, 8, 9 or blank	j = Material code M, V, or blank
e = 4-digit cable number	
- lokfast**® guards on quick-disconnects require a tool to disconnect, rendering the connection not normally arcing.
- The molded construction of the cordset and the gas/vaportight continuous sheath of the cable meet the requirements of the NEC for cable seals in Class I, Division 2.
- A-size power **minifast**® (P-PWR-RS... or P-PWR-RK...) cord, receptacle and reducer ratings:

Three conductor (c = 34) – 600V, 21A
Four conductor (c = 44) – 600V, 17A

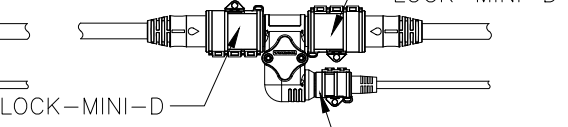
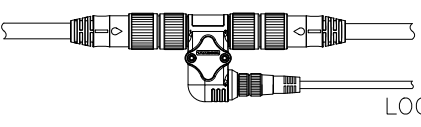
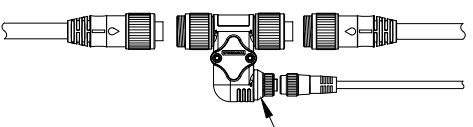
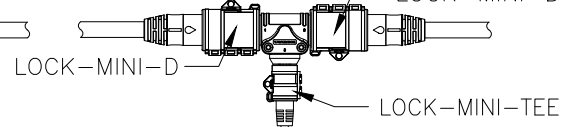
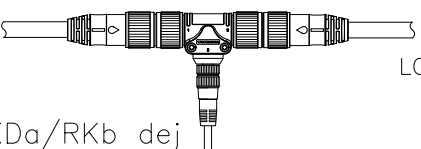
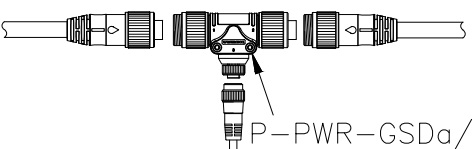
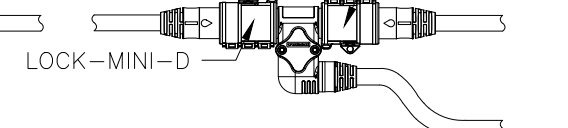
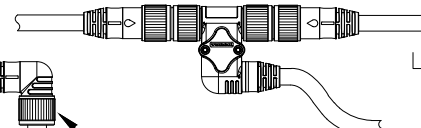
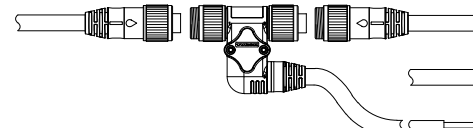
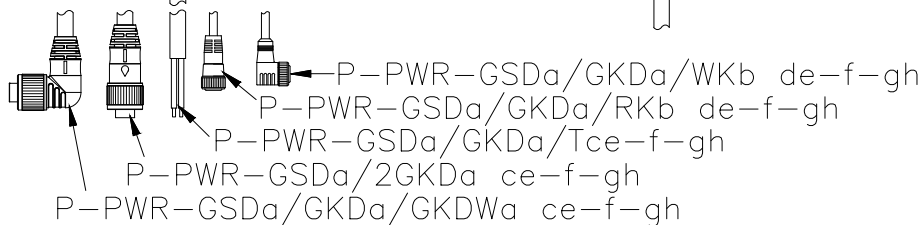
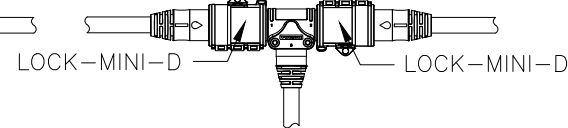
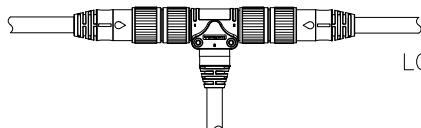
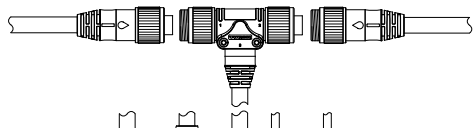
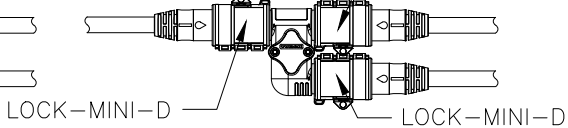
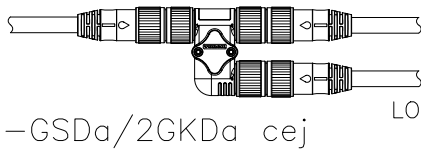
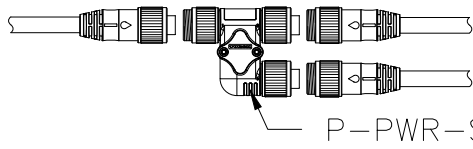
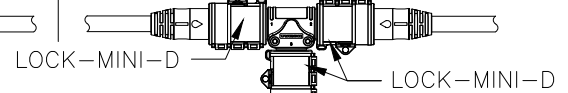
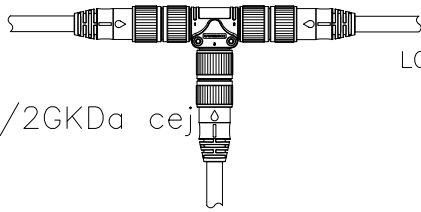
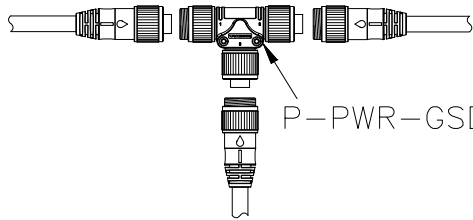
C	Update current ratings	TKM	12/2/20	Drawing No.: NI-2.416
Rev	Description	Drft	Date	Scale: NONE
				Sheet 2 of 4

Hazardous Location
Class I, Division 2, Group A, B, C or D
Class I, Zone 2, Group IIC

FM Approved Tee and corsets 

Connect approved cordsets while circuits are de-energized

Install **lokfast**® guards on all quick-disconnects before circuits are energized 



Notes:

1. The installation must be in accordance with the National Electrical Code (NEC) and this control drawing.

 2. Approved cords and receptacles identified and installed per Sheets 1 and 2.

3. Model number key:

a = Material code A, M or V

b = Material code M or V

c = Conductor #/AWG 30, 32, 34, 40, 42, or 44

d = Conductor #/AWG 34 or 44

e = Pinout/color code 1, 2, 3, 4, 5, 6, 7, 8, 9 or blank

f = 4-digit TC-ER cable number

g = cable length in meters

h = Option /S1055, /S3102, /S3276, /S4000, or blank

j = Option /S1055 or blank

 4. **lokfast**® guards on quick-disconnects require a tool to disconnect, rendering the connection not normally arcing.

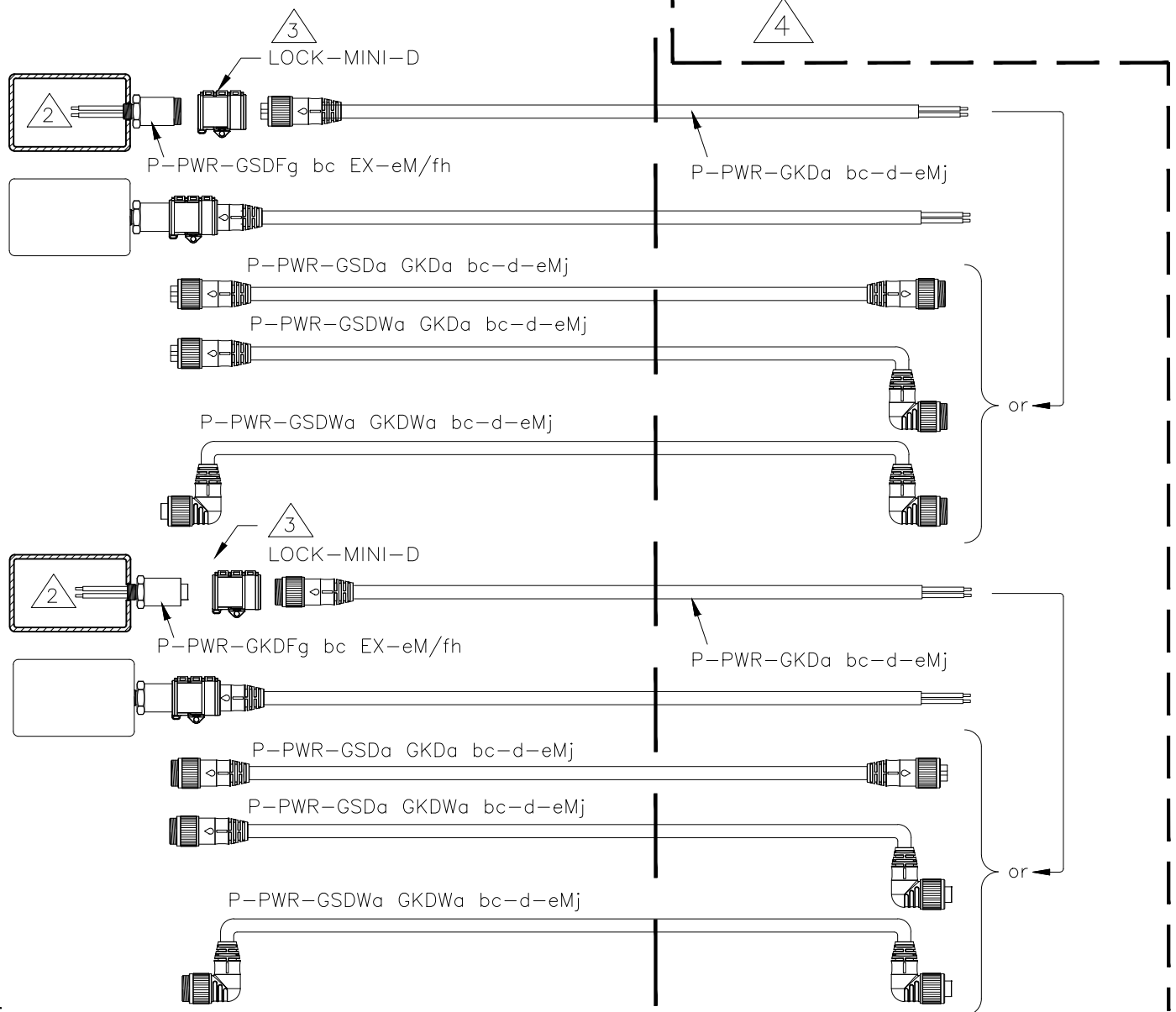
5. Ratings:

Contact/Conductor Size	W/3 Conductors (c or d = 3x)	W/4 Conductors (c or d = 4x)
10 AWG (c = x0)	600V, 40A	600V, 32A
12 AWG (c = x2)	600V, 30A	600V, 27A
14 AWG (c = x4)	600V, 27A	600V, 23A
14 AWG (d = x4)	600V, 40A combined, 21A drop	600V, 35A combined, 18A drop

C	Update current ratings	TKM	12/2/20	Drawing No.: NI-2.416	
Rev	Description	Drft	Date	Scale: NONE	Sheet 3 of 4

Hazardous Location
Class I, Division 2, Group A, B, C, or D
Class I, Zone 2, Group IIC

Nonhazardous Location



Notes:

- The installation must be in accordance with the National Electrical Code (NEC) and this control drawing. The cables have TC-ER rating and must be installed per the requirements for TC-ER cable. Unmolded cable ends must be installed using terminating fittings approved for the location.
- Nonincendive equipment, FM approved for installation in Class I, division 2; or FM approved explosionproof equipment installed in Division 2.
- lokfast**® guards on quick-disconnects require a tool to disconnect, rendering the connection not normally arcing.
- The molded construction of the cordset and the gas/vaportight continuous sheath of the cable meet the requirements of the NEC for cable seals in Class I, Division 2. Thus, the cable may cross the boundary from Class I, Division 2 into the nonhazardous location, or may remain entirely within Class I, Division 2.
- Model number key:

a = Material Code M or V	h = Options /S1204, /S1205, /S1232, /S1294, /S1295, /S3530, /S3546, /S3063, /S3064, or blank
b = Number/AWG of conductors 30, 32, 34, 40, 42, or 44	j = Options /S1055, /S1204, /S1205, /S1294, /S1295, /S1599, /S3063, /S3064, /S3276, /S3530, /S3546, /S4000, or blank
c = Pinout/color code 1, 2, 3, 4, 5, 6, 7, 8, 9 or blank	
d = 4-digit TC-ER cable number	
e = cable or lead length in meters	
f = Entry thread /14.5/NPT, or /14.75/NPT	
g = Material Code V or blank	
- D-size power **minifast**® (P-PWR-GS..EX.. or P-PWR-GK..EX..) cord and receptacle electrical ratings:
 Three conductor: (b = 34) - 600V/27A; (b = 32) - 600V/30A; (b = 30) - 600V/40A
 Four conductor: (b = 44) - 600V/23A; (b = 42) - 600V/27A; (b = 40) - 600V/32A

C	Update current ratings	TKM	12/2/20	Drawing No.: NI-2.416	
Rev	Description	Drft	Date	Scale: NONE	Sheet 4 of 4