



# Product: <u>9408</u>

High Perform Instr, 1 Pr #20 Str TC, PVC Ins E2, PVC Jkt, PLTC

😭 Request Sample

# **Product Description**

High Performance Instrumentation, 1 Pair 20AWG (19x32) Tinned Copper, PVC Insulation E2 Color Code, PVC Outer Jacket, PLTC

# **Technical Specifications**

## Product Overview

Suitable Applications:       Instrumentation, Sensors, Valves, Positioners, 4-20mA, 0-10V         Construction Details         Conductor         Elementi       No. of Elements       Size       Size <th>Product Overview</th> <th></th> <th></th> <th></th>	Product Overview						
Conductor         Element       No. of Elements       Size       Stranding       Material         Pair(s)       1       20 AWC       19x32       TC - Tinned Copper         Insulation         Element       Material       Nom. Thickness       Nom. Insulation Diameter       Color Code         Pair(s)       PVC - Polyviny Chloride       0.018 in (0.46 mm)       0.072 in (1.8 mm)       Black & Red         Outer Jacket         Material       Nom. Thickness       Nom. Diameter       Ripcord         PVC - Polyviny Chloride       0.037 in (0.94 mm)       0.218 ln (5.54 mm)       Black & Red         Overall Cable Diameter (Nominal):       0.218 ln (5.54 mm)       Celectrical         Electrical Characteristics       Electricals       Max. Current       Max. Current         Pair(s)       11.3 Ohm/1000t       30 pF/it (98 pF/m)       55 pF/it (180 pF/m)       3.8 Amps per Conductor at 25°C         Voltage         UL Voltage Rating       XVM 80°C         Bend Radius         Stationary Min       Installation Min.         Stationary Min       Installation Min.       20 lbs (14 kg)	Suitable Applications:	Instrumentation, Sensors, Valves	, Positioners, 4-20mA, 0-10V				
Element         No. of Elements         Size         Stranding         Material           Pair(s)         1         20 AWG         19x32         TC - Timmed Copper           Isulation           Element         Material         Nom. Thickness         Nom. Insulation Diameter         Color Code           Pair(s)         PVC - Polyvinyl Chloride         0.018 in (0.46 mm)         0.072 in (1.8 mm)         Black & Red           Outer Jacket           Material         Nom. Thickness         Nom. Diameter         Ripcord           PVC - Polyvinyl Chloride         0.037 in (0.94 mm)         0.218 in (5.54 mm)         Black & Red           Overall Cable Diameter (Nominal):         0.218 in (5.54 mm)         Yes           Overall Cable Diameter (Nominal):         0.218 in (5.54 mm)         Yes           Overall Cable Diameter (Nominal):         0.218 in (5.54 mm)         Yes           Electrical           Mom. Conductor DCR         Nom. Capacitance Cond-to-Cond         Nom. Capacitance Cond-to-Shield         Max. Current           Pair(s)         11.3 Ohm/10000t         30 pF/ft (98 pF/m)         55 pF/ft (180 pF/m)         38 Amps per Conductor at 25°C           Voltage Rating           300 V (PLTC. CMG)	<b>Construction Details</b>						
Element       No. of Elements       Size       Stranding       Material         Pair(s)       1       20 AWG       19x32       TC - Tinned Copper         Insulation         Element       Material       Nom. Thickness       Nom. Insulation Dlameter       Color Code         Pair(s)       PVC - Polyvinyl Chloride       0.018 in (0.46 mm)       0.072 in (1.8 mm)       Black & Red         Outer Jacket         Material       Nom. Thickness       Nom. Diameter       Ripcord         PVC - Polyvinyl Chloride       0.037 in (0.94 mm)       0.218 in (5.54 mm)       Ves         Overall Cable Dlameter (Nominal):       0.218 in (5.54 mm)         Electrical Characteristics         Electrical Characteristics         Electrical Characteristics         Electricals         Mom. Conductor DCR       Nom. Capacitance Cond-0-Cond       Nom. Capacitance Cond-to-Shield       Max. Current         Pair(s)       11.3 Ohn/1000t       30 pF/ft (98 pF/m)       55 pF/ft (180 pF/m)       3.8 Amps per Conductor at 25°C         Voltage Rating         300 V (PLTC, CMG)       Mom. Coperating         105°C        Mom. Conductor DCR </td <td>Conductor</td> <td></td> <td></td> <td></td>	Conductor						
Pair(s)         1         20 AWG         19x32         TC - Tinned Copper           Insulation         Element         Material         Nom. Thickness         Nom. Insulation Diameter         Color Code           Pair(s)         PVC - Polyvinyl Chloride         0.018 in (0.46 mm)         0.072 in (1.8 mm)         Black & Red           Outer Jack         Material         Nom. Thickness         Nom. Diameter         Ripcord           PVC - Polyvinyl Chloride         0.037 in (0.94 mm)         0.218 in (5.54 mm)         Yes           Overall Cable Diameter (Nominal):         0.218 in (5.54 mm)         Yes           Electrical         Characteristics           Electrical Characteristics         Nom. Capacitance Cond-to-Cond         Nom. Capacitance Cond-to-Shield         Max. Current           Pair(s)         11.3 Ohm/10000t         30 pF/ft (98 pF/m)         55 pF/ft (180 pF/m)         3.8 Amps per Conductor at 25°C           Voltage         Vul Yotage Rating         300 V (PLTC, CMG)         Autor to 15°C         Autor to 15°C           Baterial         Operating         Operating         Operating         Operating         Operating           300 V (PLTC, CMG)         Autor to 15°C         Autor to 15°C         Autor to 15°C         Autor to 15°C           Baterial         Stationary Min		re Stranding Material					
Element       Material       Nom. Thickness       Nom. Insulation Diameter       Color Code         Pair(s)       PVC - Polyvinyl Chloride       0.018 in (0.46 mm)       0.072 in (1.8 mm)       Black & Red         Outer Jackat       Material       Nom. Thickness       Nom. Diameter       Ripcord         PVC - Polyvinyl Chloride       0.037 in (0.94 mm)       0.218 in (5.54 mm)       Yes         Overall Cable Diameter (Nominal):       0.218 in (5.54 mm)       Yes         Electrical Characteristics       Electrical Characteristics         Electricals       Image: State Stat			per				
Element       Material       Nom. Thickness       Nom. Insulation Diameter       Color Code         Pair(s)       PVC - Polyvinyl Chloride       0.018 in (0.46 mm)       0.072 in (1.8 mm)       Black & Red         Outer Jackat       Material       Nom. Thickness       Nom. Diameter       Ripcord         PVC - Polyvinyl Chloride       0.037 in (0.94 mm)       0.218 in (5.54 mm)       Yes         Overall Cable Diameter (Nominal):       0.218 in (5.54 mm)       Yes         Electrical Characteristics       Electrical Characteristics         Electricals       Image: State Stat	Inculation	1 1					
Pair(s)       PVC - Polyvinyl Chloride       0.018 in (0.46 mm)       0.072 in (1.8 mm)       Black & Red         Outer Jacket          Material       Nom. Thickness       Nom. Diameter       Ripcord         PVC - Polyvinyl Chloride       0.037 in (0.94 mm)       0.218 in (5.54 mm)       Yes           Overall Cable Diameter (Nominal):       0.218 in (5.54 mm)       Yes             Electrical Characteristics                    Max. Current          Pair(s)       11.3 Ohm/1000t       30 pF/ft (98 pF/m)              S5 pF/ft (180 pF/m)              3.8 Amps per Conductor at 25°C          Voltage              UL Voltage Rating             300 V (PLTC, CMG)               AWM 80°C          Mechanical Characteristics              4WM 80°C               4WM 80°C          Biend Radius              Sationary Min. Installation Min.             2.2 in (56 mm)             2.2 in (56 mm)               0.0 lbs (14 kg)		Nom Thickness Nom Insul	ation Diameter Color Code				
Material       Nom. Thickness       Nom. Diameter       Ripcord         PVC - Polyvinyl Chloride       0.037 in (0.94 mm)       0.218 in (5.54 mm)       Yes         Overall Cable Diameter (Nominal):       0.218 in (5.54 mm)       Yes         Electrical Characteristics         Electricals         Electrical       Nom. Conductor DCR       Nom. Capacitance Cond-to-Cond       Nom. Capacitance Cond-to-Shield       Max. Current         Pair(s)       11.3 Ohm/1000ft       30 pF/ft (98 pF/m)       55 pF/ft (180 pF/m)       3.8 Amps per Conductor at 25°C         Voltage       UL Voltage Rating       30 V (PLTC, CMG)							
Material       Nom. Thickness       Nom. Diameter       Ripcord         PVC - Polyvinyl Chloride       0.037 in (0.94 mm)       0.218 in (5.54 mm)       Yes         Overall Cable Diameter (Nominal):       0.218 in (5.54 mm)       Yes         Electrical Characteristics         Electricals         Electrical       Nom. Conductor DCR       Nom. Capacitance Cond-to-Cond       Nom. Capacitance Cond-to-Shield       Max. Current         Pair(s)       11.3 Ohm/1000ft       30 pF/ft (98 pF/m)       55 pF/ft (180 pF/m)       3.8 Amps per Conductor at 25°C         Voltage       UL Voltage Rating       30 V (PLTC, CMG)	Outer lasket	1					
PVC - Polyvinyl Chloride       0.037 in (0.94 mm)       0.218 in (5.54 mm)       Yes         Overall Cable Diameter (Nominal):       0.218 in (5.54 mm)       E         Electrical Characteristics         Electrical Characteristics         Electricals         Max. Current         Pair(s)       11.3 Ohm/1000t       30 pF/ft (98 pF/m)       55 pF/ft (180 pF/m)       3.8 Amps per Conductor at 25°C         Voltage         UL Voltage Rating         300 V (PLTC, CMG)       Advise restored in the second restored		Thickness Nom, Diameter R	lipcord				
Electrical Characteristics  Electricals  Electricals  Element Nom. Conductor DCR Nom. Capacitance Cond-to-Cond Nom. Capacitance Cond-to-Shield Max. Current Pair(s) 11.3 Ohm/1000ft 30 pF/ft (98 pF/m) 55 pF/ft (180 pF/m) 3.8 Amps per Conductor at 25°C  Voltage UL Voltage Rating 300 V (PLTC, CMG)  Mechanical Characteristics  Temperature  UL Temperature  UL Temperature  UL Temperature  Conduction Derive  Electrical Characteristics  Electrical Characteristics  AWM 80°C  Electrical Characteristics  Max. Pull Tension: 30 lbs (14 kg)							
Electricals           Element         Nom. Conductor DCR         Nom. Capacitance Cond-to-Cond         Nom. Capacitance Cond-to-Shield         Max. Current           Pair(s)         11.3 Ohm/1000ft         30 pF/ft (98 pF/m)         55 pF/ft (180 pF/m)         3.8 Amps per Conductor at 25°C           Voltage         UL Voltage Rating 300 V (PLTC, CMG)         Stationary Min.         Max. Current           UL Temperature         Voltage         Voltage         Voltage         Voltage           UL Temperature         Operating 105°C         -30°C to +105°C         AWM 80°C         Voltage         Voltage           Bend Radius         Stationary Min.         Installation Min. 2.2 in (56 mm)         2.2 in (56 mm)         30 lbs (14 kg)         Voltage	Overall Cable Diameter (Nominal): 0.218 in (5.54 mm)						
Electricals           Element         Nom. Conductor DCR         Nom. Capacitance Cond-to-Cond         Nom. Capacitance Cond-to-Shield         Max. Current           Pair(s)         11.3 Ohm/1000ft         30 pF/ft (98 pF/m)         55 pF/ft (180 pF/m)         3.8 Amps per Conductor at 25°C           Voltage         UL Voltage Rating 300 V (PLTC, CMG)         Stationary Min.         Max. Current           UL Temperature         Voltage         Voltage         Voltage         Voltage           UL Temperature         Operating 105°C         -30°C to +105°C         AWM 80°C         Voltage         Voltage           Bend Radius         Stationary Min.         Installation Min. 2.2 in (56 mm)         2.2 in (56 mm)         30 lbs (14 kg)         Voltage	Electrical Characteristics						
Element       Nom. Conductor DCR       Nom. Capacitance Cond-to-Shield       Max. Current         Pair(s)       11.3 Ohm/1000ft       30 pF/ft (98 pF/m)       55 pF/ft (180 pF/m)       3.8 Amps per Conductor at 25°C         Voltage         UL Voltage Rating       300 V (PLTC, CMG)         Mechanical Characteristics         Voltage Rating         300 V (PLTC, CMG)       Vult Temperature         Voltage Rating         Operating         105°C       -30°C to +105°C         Table Notes:         AWM 80°C         Bend Radius         Stationary Min. Installation Min.         2.2 in (56 mm)       2.2 in (56 mm)         A0 (bs (14 kg)							
Pair(s)         11.3 Ohm/1000ft         30 pF/ft (98 pF/m)         55 pF/ft (180 pF/m)         3.8 Amps per Conductor at 25°C           Voltage         UL Voltage Rating         300 V (PLTC, CMG)         Mechanical Characteristics           Mechanical Characteristics         Vul Temperature         Operating         000°C           Table Notes:         AWM 80°C         AWM 80°C         Stationary Min.         Installation Min.           Stationary Min.         Installation Min.         2.2 in (56 mm)         2.2 in (56 mm)         30 lbs (14 kg)							
Voltage       UL Voltage Rating       300 V (PLTC, CMG)       Mechanical Characteristics       Temperature       UL Temperature       Operating       105°C       -30°C to +105°C       Table Notes:       AWM 80°C       Bend Radius       Stationary Min.       Installation Min.       2.2 in (56 mm)       2.2 in (56 mm)       30 lbs (14 kg)	Electricals						
UL Voltage Rating 300 V (PLTC, CMG)         Mechanical Characteristics         Temperature         UL Temperature         05°C         -30°C to +105°C         Table Notes:         AWM 80°C         Bend Radius         Stationary Min         Installation Min.         2.2 in (56 mm)         2.2 in (56 mm)         30 lbs (14 kg)	Element Nom. Conductor DCR						
300 V (PLTC, CMG)         Mechanical Characteristics         Temperature         UL Temperature       Operating         105°C       -30°C to +105°C         Table Notes:       AWM 80°C         Bend Radius         Stationary Min.       Installation Min.         2.2 in (56 mm)       2.2 in (56 mm)         Max. Pull Tension:       30 lbs (14 kg)	Element Nom. Conductor DCR						
Mechanical Characteristics         Temperature         UL Temperature       Operating         105°C       -30°C to +105°C         Table Notes:       AWM 80°C         Bend Radius         Stationary Min.       Installation Min.         2.2 in (56 mm)       2.2 in (56 mm)         Max. Pull Tension:       30 lbs (14 kg)	Element         Nom. Conductor DCR           Pair(s)         11.3 Ohm/1000ft						
Temperature         UL Temperature       Operating         105°C       -30°C to +105°C         Table Notes:       AWM 80°C         Bend Radius         Stationary Min.       Installation Min.         2.2 in (56 mm)       2.2 in (56 mm)         Max. Pull Tension:       30 lbs (14 kg)	Element         Nom. Conductor DCR           Pair(s)         11.3 Ohm/1000ft           Voltage         UL Voltage Rating						
UL Temperature       Operating         105°C       -30°C to +105°C         Table Notes:       AWM 80°C         Bend Radius         Stationary Min.       Installation Min.         2.2 in (56 mm)       2.2 in (56 mm)         Max. Pull Tension:       30 lbs (14 kg)	Element         Nom. Conductor DCR           Pair(s)         11.3 Ohm/1000ft           Voltage         UL Voltage Rating						
UL Temperature       Operating         105°C       -30°C to +105°C         Table Notes:       AWM 80°C         Bend Radius         Stationary Min.       Installation Min.         2.2 in (56 mm)       2.2 in (56 mm)         Max. Pull Tension:       30 lbs (14 kg)	Element         Nom. Conductor DCR           Pair(s)         11.3 Ohm/1000ft           Voltage         UL Voltage Rating           300 V (PLTC, CMG)	30 pF/ft (98 pF/m)					
Stationary Min.     Installation Min.       2.2 in (56 mm)     2.2 in (56 mm)       Max. Pull Tension:     30 lbs (14 kg)	Element       Nom. Conductor DCR         Pair(s)       11.3 Ohm/1000ft         Voltage       UL Voltage Rating         300 V (PLTC, CMG)         Mechanical Characteristic	30 pF/ft (98 pF/m)					
Bend Radius         Stationary Min.       Installation Min.         2.2 in (56 mm)       2.2 in (56 mm)         Max. Pull Tension:       30 lbs (14 kg)	Element Nom. Conductor DCR Pair(s) 11.3 Ohm/1000ft Voltage UL Voltage Rating 300 V (PLTC, CMG) Mechanical Characteristi Temperature	30 pF/ft (98 pF/m)					
Stationary Min.       Installation Min.         2.2 in (56 mm)       2.2 in (56 mm)         Max. Pull Tension:       30 lbs (14 kg)	Element       Nom. Conductor DCR         Pair(s)       11.3 Ohm/1000ft         Voltage       UL Voltage Rating         300 V (PLTC, CMG)         Mechanical Characteristi         Temperature       Operating	30 pF/ft (98 pF/m)					
2.2 in (56 mm)       2.2 in (56 mm)         Max. Pull Tension:       30 lbs (14 kg)	Element       Nom. Conductor DCR         Pair(s)       11.3 Ohm/1000ft         Voltage       UL Voltage Rating         300 V (PLTC, CMG)       Mechanical Characteristic         Temperature       UL Temperature         UL Temperature       Operating         105°C       -30°C to +105°C	30 pF/ft (98 pF/m) CS					
Max. Pull Tension: 30 lbs (14 kg)	Element       Nom. Conductor DCR         Pair(s)       11.3 Ohm/1000ft         Voltage       UL Voltage Rating         300 V (PLTC, CMG)         Mechanical Characteristic         Temperature       Operating         105°C       -30°C to +105°C         Table Notes:	30 pF/ft (98 pF/m) CS					
	Element       Nom. Conductor DCR         Pair(s)       11.3 Ohm/1000ft         Voltage       UL Voltage Rating         300 V (PLTC, CMG)       300 V (PLTC, CMG)         Mechanical Characteristic       Temperature         UL Temperature       Operating         105°C       -30°C to +105°C         Table Notes:       Bend Radius	30 pF/ft (98 pF/m) CS C AWM 80°C					
Bulk Cable Weight: 21 lbs/1000ft	Element       Nom. Conductor DCR         Pair(s)       11.3 Ohm/1000ft         Voltage       UL Voltage Rating         300 V (PLTC, CMG)       Mechanical Characteristic         Temperature       Operating         UL Temperature       Operating         105°C       -30°C to +105°C         Table Notes:       Bend Radius         Stationary Min.       Installation Min	30 pF/ft (98 pF/m) CS C AWM 80°C					
	Element       Nom. Conductor DCR         Pair(s)       11.3 Ohm/1000ft         Voltage       UL Voltage Rating         300 V (PLTC, CMG)       Mechanical Characteristic         Mechanical Characteristic       Temperature         UL Temperature       Operating         105°C       -30°C to +105°C         Table Notes:       Bend Radius         Stationary Min.       Installation Min         2.2 in (56 mm)       2.2 in (56 mm)	30 pF/ft (98 pF/m) CS AWM 80°C					

## **Standards and Compliance**

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, T-29-520, IEEE 1202
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC, PLTC
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

### **History**

Update and Revision:

Revision Number: 0.540 Revision Date: 04-14-2023

#### **Part Numbers**

#### Variants

Item #	Color	UPC	Footnote
9408 0602500	Chrome	612825240129	Z
9408 0605000	Chrome	612825240136	СZ
9408 060U1000	Chrome	612825240105	
9408 060U500	Chrome	612825240112	

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.