


**Product: [9455](#)**

Electronic, 9 C #20 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)
**Product Description**

Electronic, 9 Conductor 20AWG (7x28) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

**Technical Specifications**
**Product Overview**

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
------------------------	---

**Construction Details**
**Conductor**

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	9	20 AWG	7x28	TC - Tinned Copper

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.065 in (1.7 mm)	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.317 in (8.05 mm)

Overall Cable Diameter (Nominal): 0.317 in (8.05 mm)

**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	10.7 Ohm/1000ft	27 pF/ft (89 pF/m)	2.8 Amps per Conductor at 25°C

**Voltage**

UL Voltage Rating
300 V (CMG), 300 V (UL AWM 2464)

**Mechanical Characteristics**
**Temperature**

UL Temperature	Operating
80°C	-20°C to +80°C

**Bend Radius**

Stationary Min.	Installation Min.
3.2 in (81 mm)	3.2 in (81 mm)

Max. Pull Tension: 113 lbs (51.3 kg)

Bulk Cable Weight: 60 lbs/1000ft

**Standards and Compliance**

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
----------------------------	--------------------------------------

Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision: Revision Number: 0.510 Revision Date: 09-07-2025

## Part Numbers

### Variants

Item #	Color	UPC	Footnote
9455 060100	Chrome	612825253211	
9455 0601000	Chrome	612825253228	C
9455 060500	Chrome	612825253235	C
9455 0605000	Chrome	612825253242	C

Footnote: C - CRATE REEL PUT-UP.

© 2026 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 "AS IS" 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.