

# 24x20 AWG Shielded Instrumentation Cable

## BC/CL2/PVC/OFS/300V/105C/PLTC

### INSTRUMENTATION & SIGNAL

**P/N 8N9P02A101**

INDUSTRY

### Applications

Process control industry, Hazardous areas, Harsh environments, Direct burial, Class 1 Division 2



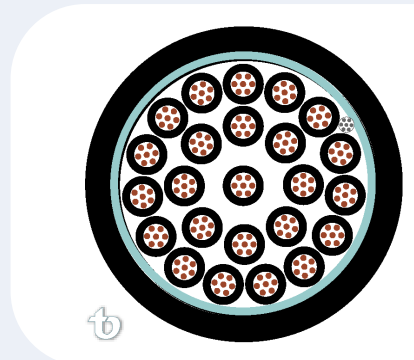
Outer Jacket Material  
UV resistant FR-PVC



Outer diameter  
13.80 mm nom.



Weight  
288 kg/km



### General Construction

24 wires are cabled together, overall foil shielded and jacketed.

### Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Size (AWG)	20
Conductor Construction	7x0.32 mm
Insulation Material	PVC
Insulation O.D. (mm nom)	1.75
Conductor Color Code	Black, Numbered
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-Wire Size (AWG)	20
Overall Drain-wire Construction	Stranded
Total Number Of Conductors	24
Rip-Cord	Yes
Outer Diameter (mm nom)	13.80
Outer Jacket Thickness (mm nom)	1.6
Outer Jacket Color	Black
Marking	Per request
Outer Jacket Material	UV resistant FR-PVC

24x20 AWG Shielded Instrumentation Cable  
 BC/CL2/PVC/OFS/300V/105C/PLTC  
 P/N 8N9P02A101

INDUSTRY

**Performance**

Max. DC Resistance ( $\Omega$ /km@20°C)	35.9
Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Voltage Rating (V)	300
Min. Bend Radius (mm)	Dx6
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	+105
UV Resistance	Yes

**Standards**

Flammability Rating  
 IEC 60332-3

Applicable Standards  
 UL 13 Power Limited Circuit/Tray  
 Cable (PLTC, CL2, CL3) - UL  
 Certified  
 UL PLTC  
 RoHS 3 2015/863/EU



Teldor Cables & Systems Ltd. (“Teldor”) reserves the right to make changes to the products described in this catalog without prior notice. Teldor does not assume any liability which may occur due to the use of the products described herein. Drawings may not be to scale and are provided for general and informational purposes only. The information contained in this catalog is the proprietary property of Teldor, and may not be used, reproduced or disclosed to others, in whole or in part, without the written authorization of Teldor.

Version 1.1 | Last update: 2024-11-03