

Part Number: C2831A

Revision: 6/10/2022

**3C 18AWG PVC, UNSH, PVC**

**COMMUNICATIONS CABLE**

**A. CONSTRUCTION**

**DIAMETERS (Nominal)**

Conductor:	#18 AWG (16/30) Tinned Copper	0.046"
Insulation:	.016" Wall, 105°C Polyvinyl Chloride (PVC)	0.078"
Cable Assembly:	3 Conductors cabled with a LHL	0.168"
Lay Length:	Inches: 4.00 Twists/Foot: 3.0	
Jacket:	.032" Wall, 105°C Polyvinyl Chloride (PVC)	0.232"
Sequential Footage:	Yes	
Print Legend:	<b><i>PRYSMIAN GROUP CAROL(R) 18 AWG -- C2831A - 105C E105765-H CM (UL) C(UL) OR AWM STYLE 2464/2576 --- CSA LL69381 CMG 105C -- ORIGIN USA (DATE CODE) (TRU SEQ FT - ASC - 1000 - 2) (PRINT EVERY 2 FT)</i></b>	

**B. INDUSTRY APPROVALS**

National Electrical Code	Article 800
UL Standard 444	Type CM
UL Standard 758	AWM 2464/2576
CSA International	Type CMG
EU Directive 2015/863/EU (RoHS-3)	REACH Compliant

**C. ELECTRICAL PROPERTIES**

Temperature:	-20°C to +105°C
Suggested Working Voltage:	300 Vrms (Max)
Conductor DCR:	6.92 Ohms/1000ft (Max) @ 20°C
Capacitance (Cond-Cond):	30.5 pF/ft (Nom) @ 1MHz
Charateristic Impedance:	70.6 Ω (Nom.)

**D. COLOR CODE**

COND	COLOR
1	BLACK
2	WHITE
3	RED

**JACKET COLOR**

BLACK	GREEN	LIGHT BLUE
WHITE	BLUE	BEIGE
RED	BROWN	PURPLE
ORANGE	GRAY	NATURAL
YELLOW	PINK	

**E. CUSTOMER APPROVAL**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_