



Part Number:	9771
Description:	18 AWG 16-Strand Tinned Copper with Low-Smoke PVC insulation, 2-Conductor + 22 AWG 7-Strand Bare Copper with Foamed FEP insulation, 1 Shielded Pair. Overall Plenum PVC Jacket.
Suitable Application(s):	Network and Automation Control

Construction Details:

Element #1		Element #2	
Total Number of Conductors	2	Total Number of Conductors	2 (1-Pair)
Conductor Material	18 AWG 16-Strand Tinned Copper	Conductor Material	22 AWG 7-Strand Bare Copper
Insulation Material	Low-Smoke Copolymer	Insulation Material	Foamed FEP
Insulation Thickness	0.009"	Insulation Thickness	0.018"
Nom. Diameter over Insulation	0.065"	Nom. Diameter over Insulation	0.065"
Conductor Color Code	Black, Red	Conductor Color Code	Purple, Yellow
		Twisted Pair Lay Length	2.00" Left-hand Lay
		Tape Material	Aluminum / Mylar
		Drain wire material	24 AWG 7-strand Tinned Copper
Overall Assembly			
Cabling Overall Lay Length	2.50" Left-hand Lay		
Final Jacket Material	Low-Smoke Copolymer		
Final Jacket Thickness	0.015"		
Final Jacket Color	White		
Nominal Overall Diameter	0.187"		
Ripcord	Yes		

Print Details:

Type: Inkjet
 Sequential Foot Markings: Yes

Sample Print Legend:

18 AWG 2C NETWORK + 22 AWG 1 PAIR SHLD DATA 75°C A B C D E 0 1 2 3 4 5 6 7 8 9 (UL) TYPE CL3P/FPLP OR c(UL)us TYPE CMP E179335 ROHS MADE IN USA

Applicable Standards and Ratings			
Voltage Rating	300 V	18 AWG Impedance	57 Ω
Temperature Rating	-5C to +75C	22 AWG Impedance	105 Ω
18 AWG CDR DC Resistance @ 20°C	6.94 Ω/1000'	UL Type(s)	CL3P (UL13); FPLP (UL 1424)
22 AWG CDR DC Resistance @ 20°C	16.6 Ω/1000'	c(UL)us Type(s)	CMP (UL444)
18 AWG CDR-CDR Capacitance	33 pF/ft.	ROHS Compliant	Yes
22 AWG CDR-CDR Capacitance	12.5 pF/ft.		

Customer Approval Signature: _____

Date: _____

Customer Name: _____

Specification Issue Date: **09/03/2020**