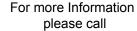
METRIC MEASUREMENT VERSION



## 9451 Multi-Conductor - Single-Pair Cables



1-800-Belden1



## **General Description:**

22 AWG stranded (7x30) TC conductors, polypropylene insulation, twisted pair, overall Beldfoil shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

## **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>
1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

#### **Insulation Material:**

# Insulation Material Wall Thickness (mm) PP - Polypropylene | 0.2032

#### **Outer Shield**

#### **Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)	
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100	

## Outer Shield Drain Wire AWG:

AWG	Stranding	<b>Drain Wire Conductor Material</b>
22	7x30	TC - Tinned Copper

#### **Outer Jacket**

#### **Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.508

#### **Overall Cable**

Overall Nominal Diameter: 3.429 mm

#### Pair

## Pair Color Code Chart:

Number	Color
1	Black & Red

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C		
UL Temperature Rating:	60°C		
Bulk Cable Weight:	20.835 Kg/Km		
Max. Recommended Pulling Tension:	120.101 N		
Min. Bend Radius/Minor Axis:	38.100 mm		

## Applicable Specifications and Agency Compliance (Overall)

## **Applicable Standards & Environmental Programs**

NEC/(	UL) S	Specification:	CMR
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## 9451 Multi-Conductor - Single-Pair Cables

CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Flame Test	
UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4
Plenum/Non-Plenum	
Plenum (Y/N):	No

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm)	
45	1

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



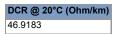
**Nominal Delay:** 



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:



## **Notes (Overall)**

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#### **METRIC MEASUREMENT VERSION**



#### 9451 Multi-Conductor - Single-Pair Cables

**Notes:** The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield. For cross-connect use with 1814R (et. al.) Snake Cables.

#### **Put Ups and Colors:**

9451 N3JU1000	Item #	Putup	Ship Weight	Color	Notes	Item Desc
9451 N3U5000	9451 N3UU1000	1,000 FT	16.000 LB	GREEN, MIL		2 #22 PP FS PVC FR
9451 001U1000	9451 N3UZ1000	1,000 FT	17.000 LB	GREEN, MIL		2 #22 PO FS PVC FR
9451 001Z1000	9451 N3U5000	5,000 FT	70.000 LB	GREEN, MIL	CN	2 #22 PP FS PVC FR
9451 0015000	9451 001U1000	1,000 FT	16.000 LB	BROWN		2 #22 PP FS PVC FR
9451 002N1000	9451 001Z1000	1,000 FT	17.000 LB	BROWN		2 #22 PO FS PVC FR
9451 002U1000	9451 0015000	5,000 FT	70.000 LB	BROWN	CN	2 #22 PP FS PVC FR
9451 002Z1000	9451 002N1000	1,000 FT	18.000 LB	RED		2 #22 PP FS PVC FR
9451 0025000	9451 002U1000	1,000 FT	16.000 LB	RED		2 #22 PP FS PVC FR
9451 003U1000	9451 002Z1000	1,000 FT	17.000 LB	RED		2 #22 PO FS PVC FR
9451 00321000	9451 0025000	5,000 FT	75.000 LB	RED	CN	2 #22 PP FS PVC FR
9451 0035000	9451 003U1000	1,000 FT	16.000 LB	ORANGE		2 #22 PP FS PVC FR
9451 004N1000	9451 003Z1000	1,000 FT	17.000 LB	ORANGE		2 #22 PO FS PVC FR
9451 004U1000         1,000 FT         16.000 LB         YELLOW         2 #22 PP FS PVC FR           9451 004Z1000         1,000 FT         17.000 LB         YELLOW         2 #22 PO FS PVC FR           9451 004Z000         5,000 FT         75.000 LB         YELLOW         C N         2 #22 PO FS PVC FR           9451 006U1000         1,000 FT         16.000 LB         BLUE, LIGHT         2 #22 PO FS PVC FR           9451 006Z1000         1,000 FT         17.000 LB         BLUE, LIGHT         2 #22 PO FS PVC FR           9451 0065000         5,000 FT         75.000 LB         BLUE, LIGHT         C N         2 #22 PP FS PVC FR           9451 007U1000         1,000 FT         16.000 LB         VIOLET         2 #22 PP FS PVC FR           9451 007Z1000         1,000 FT         17.000 LB         VIOLET         2 #22 PP FS PVC FR           9451 007Z1000         1,000 FT         75.000 LB         VIOLET         C N         2 #22 PP FS PVC FR           9451 008U1000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U1000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         500 FT         8.500 LB         GRAY         2 #22 PP FS PVC FR           9	9451 0035000	5,000 FT	75.000 LB	ORANGE	CN	2 #22 PP FS PVC FR
9451 004Z1000         1,000 FT         17.000 LB         YELLOW         2 #22 PO FS PVC FR           9451 0045000         5,000 FT         75.000 LB         YELLOW         C N         2 #22 PO FS PVC FR           9451 00601000         1,000 FT         16.000 LB         BLUE, LIGHT         2 #22 PO FS PVC FR           9451 00621000         1,000 FT         17.000 LB         BLUE, LIGHT         2 #22 PO FS PVC FR           9451 0065000         5,000 FT         75.000 LB         BLUE, LIGHT         C N         2 #22 PP FS PVC FR           9451 007U1000         1,000 FT         16.000 LB         VIOLET         C N         2 #22 PP FS PVC FR           9451 007Z1000         1,000 FT         17.000 LB         VIOLET         2 #22 PP FS PVC FR           9451 0075000         5,000 FT         75.000 LB         VIOLET         C N         2 #22 PP FS PVC FR           9451 00801000         1,000 FT         18.000 LB         GRAY         2 #22 PP FS PVC FR           9451 00801000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 00801000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 00821000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR	9451 004N1000	1,000 FT	18.000 LB	YELLOW		2 #22 PP FS PVC FR
9451 0045000         5,000 FT         75.000 LB         YELLOW         C N         2#22 PO FS PVC FR           9451 006U1000         1,000 FT         16.000 LB         BLUE, LIGHT         2#22 PP FS PVC FR           9451 006Z1000         1,000 FT         17.000 LB         BLUE, LIGHT         2#22 PP FS PVC FR           9451 006S000         5,000 FT         75.000 LB         BLUE, LIGHT         C N         2#22 PP FS PVC FR           9451 007U1000         1,000 FT         16.000 LB         VIOLET         2#22 PP FS PVC FR           9451 007Z1000         1,000 FT         17.000 LB         VIOLET         2#22 PP FS PVC FR           9451 007Z1000         1,000 FT         17.000 LB         VIOLET         2#22 PP FS PVC FR           9451 007Z1000         1,000 FT         17.000 LB         VIOLET         2#22 PP FS PVC FR           9451 007Z1000         1,000 FT         18.000 LB         GRAY         2#22 PP FS PVC FR           9451 008N1000         1,000 FT         16.000 LB         GRAY         2#22 PP FS PVC FR           9451 008U500         500 FT         8.500 LB         GRAY         2#22 PP FS PVC FR           9451 008Z1000         1,000 FT         16.000 LB         GRAY         2#22 PP FS PVC FR           9451 008S000         5,000	9451 004U1000	1,000 FT	16.000 LB	YELLOW		2 #22 PP FS PVC FR
9451 006U1000         1,000 FT         16.000 LB         BLUE, LIGHT         2 #22 PP FS PVC FR           9451 006Z1000         1,000 FT         17.000 LB         BLUE, LIGHT         2 #22 PO FS PVC FR           9451 0065000         5,000 FT         75.000 LB         BLUE, LIGHT         C N         2 #22 PP FS PVC FR           9451 007U1000         1,000 FT         16.000 LB         VIOLET         2 #22 PP FS PVC FR           9451 007Z1000         1,000 FT         17.000 LB         VIOLET         2 #22 PP FS PVC FR           9451 007Z1000         1,000 FT         75.000 LB         VIOLET         2 #22 PP FS PVC FR           9451 007Z1000         1,000 FT         18.000 LB         VIOLET         2 #22 PP FS PVC FR           9451 008N1000         1,000 FT         18.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U1000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008Z1000         1,000 FT         17.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008Z1000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008S000         500 FT         8.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008D000         5,000 FT	9451 004Z1000	1,000 FT	17.000 LB	YELLOW		2 #22 PO FS PVC FR
9451 006Z1000         1,000 FT         17.000 LB         BLUE, LIGHT         2 #22 PO FS PVC FR           9451 0065000         5,000 FT         75.000 LB         BLUE, LIGHT         C N         2 #22 PP FS PVC FR           9451 007U1000         1,000 FT         16.000 LB         VIOLET         2 #22 PP FS PVC FR           9451 007Z1000         1,000 FT         17.000 LB         VIOLET         2 #22 PP FS PVC FR           9451 0075000         5,000 FT         75.000 LB         VIOLET         C N         2 #22 PP FS PVC FR           9451 008N1000         1,000 FT         18.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U1000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         500 FT         8.500 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         1,000 FT         17.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         500 FT         8.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         5,000 FT <td>9451 0045000</td> <td>5,000 FT</td> <td>75.000 LB</td> <td>YELLOW</td> <td>CN</td> <td>2 #22 PO FS PVC FR</td>	9451 0045000	5,000 FT	75.000 LB	YELLOW	CN	2 #22 PO FS PVC FR
9451 0065000         5,000 FT         75,000 LB         BLUE, LIGHT         C N         2 #22 PP FS PVC FR           9451 007U1000         1,000 FT         16,000 LB         VIOLET         2 #22 PP FS PVC FR           9451 007Z1000         1,000 FT         17,000 LB         VIOLET         2 #22 PP FS PVC FR           9451 0075000         5,000 FT         75,000 LB         VIOLET         C N         2 #22 PP FS PVC FR           9451 008N1000         1,000 FT         18,000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U1000         1,000 FT         16,000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         500 FT         8,500 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         1,000 FT         17,000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         1,000 FT         16,000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         1,000 FT         16,000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         500 FT         8,000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         5,000 FT         75,000 LB         WHITE         2 #22 PP FS PVC FR           9451 009U1000         1,000 FT	9451 006U1000	1,000 FT	16.000 LB	BLUE, LIGHT		2 #22 PP FS PVC FR
9451 007011000         1,000 FT         16.000 LB         VIOLET         2 #22 PP FS PVC FR           9451 007Z1000         1,000 FT         17.000 LB         VIOLET         2 #22 PO FS PVC FR           9451 0075000         5,000 FT         75.000 LB         VIOLET         C N         2 #22 PP FS PVC FR           9451 008N1000         1,000 FT         18.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U1000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         500 FT         8.500 LB         GRAY         2 #22 PP FS PVC FR           9451 008Z1000         1,000 FT         17.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0081000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008500         500 FT         8.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0085000         5,000 FT         75.000 LB         GRAY         C N         2 #22 PP FS PVC FR           9451 00921000         1,000 FT         16.000 LB         WHITE         2 #22 PP FS PVC FR           9451 0092000         5,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         1	9451 006Z1000	1,000 FT	17.000 LB	BLUE, LIGHT		2 #22 PO FS PVC FR
9451 007Z1000         1,000 FT         17.000 LB         VIOLET         2 #22 PO FS PVC FR           9451 0075000         5,000 FT         75.000 LB         VIOLET         C N         2 #22 PP FS PVC FR           9451 008N1000         1,000 FT         18.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U1000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         500 FT         8.500 LB         GRAY         2 #22 PP FS PVC FR           9451 008Z1000         1,000 FT         17.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0081000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008500         500 FT         8.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0085000         5,000 FT         75.000 LB         GRAY         C N         2 #22 PP FS PVC FR           9451 009U1000         1,000 FT         16.000 LB         WHITE         2 #22 PP FS PVC FR           9451 009Z1000         1,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,	9451 0065000	5,000 FT	75.000 LB	BLUE, LIGHT	CN	2 #22 PP FS PVC FR
9451 0075000         5,000 FT         75.000 LB         VIOLET         C N         2 #22 PP FS PVC FR           9451 008N1000         1,000 FT         18.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U1000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         500 FT         8.500 LB         GRAY         2 #22 PP FS PVC FR           9451 008Z1000         1,000 FT         17.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0081000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0085000         500 FT         8.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0085000         5,000 FT         75.000 LB         GRAY         C N         2 #22 PP FS PVC FR           9451 009U1000         1,000 FT         16.000 LB         WHITE         2 #22 PP FS PVC FR           9451 00921000         1,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,	9451 007U1000	1,000 FT	16.000 LB	VIOLET		2 #22 PP FS PVC FR
9451 008N1000       1,000 FT       18.000 LB       GRAY       2 #22 PP FS PVC FR         9451 008U1000       1,000 FT       16.000 LB       GRAY       2 #22 PP FS PVC FR         9451 008U500       500 FT       8.500 LB       GRAY       2 #22 PP FS PVC FR         9451 008Z1000       1,000 FT       17.000 LB       GRAY       2 #22 PP FS PVC FR         9451 008B1000       1,000 FT       16.000 LB       GRAY       2 #22 PP FS PVC FR         9451 008500       500 FT       8.000 LB       GRAY       2 #22 PP FS PVC FR         9451 0085000       5,000 FT       75.000 LB       GRAY       C N       2 #22 PP FS PVC FR         9451 009U1000       1,000 FT       16.000 LB       WHITE       2 #22 PP FS PVC FR         9451 009Z1000       1,000 FT       17.000 LB       WHITE       2 #22 PP FS PVC FR         9451 010N1000       5,000 FT       75.000 LB       WHITE       C N       2 #22 PP FS PVC FR         9451 010U1000       1,000 FT       18.000 LB       BLACK       2 #22 PP FS PVC FR         9451 010U1000       1,000 FT       16.000 LB       BLACK       2 #22 PP FS PVC FR         9451 010U1000       1,000 FT       16.000 LB       BLACK       2 #22 PP FS PVC FR         9451 010U1000	9451 007Z1000	1,000 FT	17.000 LB	VIOLET		2 #22 PO FS PVC FR
9451 008U1000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008U500         500 FT         8.500 LB         GRAY         2 #22 PP FS PVC FR           9451 008Z1000         1,000 FT         17.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0081000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008500         500 FT         8.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0085000         5,000 FT         75.000 LB         GRAY         C N         2 #22 PP FS PVC FR           9451 009U1000         1,000 FT         16.000 LB         WHITE         2 #22 PP FS PVC FR           9451 009Z1000         1,000 FT         17.000 LB         WHITE         2 #22 PP FS PVC FR           9451 010N1000         5,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010Z1000         1,000 FT         17.000 LB         BLACK         2 #22 PP FS PVC FR           9451 0101000         1,000 FT <t< td=""><td>9451 0075000</td><td>5,000 FT</td><td>75.000 LB</td><td>VIOLET</td><td>CN</td><td>2 #22 PP FS PVC FR</td></t<>	9451 0075000	5,000 FT	75.000 LB	VIOLET	CN	2 #22 PP FS PVC FR
9451 008U500         500 FT         8.500 LB         GRAY         2 #22 PP FS PVC FR           9451 008Z1000         1,000 FT         17.000 LB         GRAY         2 #22 PO FS PVC FR           9451 0081000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008500         500 FT         8.000 LB         GRAY         C N         2 #22 PP FS PVC FR           9451 0085000         5,000 FT         75.000 LB         GRAY         C N         2 #22 PP FS PVC FR           9451 009U1000         1,000 FT         16.000 LB         WHITE         2 #22 PP FS PVC FR           9451 009Z1000         1,000 FT         17.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         5,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         17.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR	9451 008N1000	1,000 FT	18.000 LB	GRAY		2 #22 PP FS PVC FR
9451 008Z1000         1,000 FT         17.000 LB         GRAY         2 #22 PO FS PVC FR           9451 0081000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008500         500 FT         8.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0085000         5,000 FT         75.000 LB         GRAY         C N         2 #22 PP FS PVC FR           9451 009U1000         1,000 FT         16.000 LB         WHITE         2 #22 PP FS PVC FR           9451 009Z1000         1,000 FT         17.000 LB         WHITE         2 #22 PP FS PVC FR           9451 0095000         5,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010Z1000         1,000 FT         17.000 LB         BLACK         2 #22 PP FS PVC FR           9451 0101000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR	9451 008U1000	1,000 FT	16.000 LB	GRAY		2 #22 PP FS PVC FR
9451 0081000         1,000 FT         16.000 LB         GRAY         2 #22 PP FS PVC FR           9451 008500         500 FT         8.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0085000         5,000 FT         75.000 LB         GRAY         C N         2 #22 PP FS PVC FR           9451 009U1000         1,000 FT         16.000 LB         WHITE         2 #22 PP FS PVC FR           9451 009Z1000         1,000 FT         17.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 0095000         5,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010I000         1,000 FT         17.000 LB         BLACK         2 #22 PP FS PVC FR           9451 0101000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR	9451 008U500	500 FT	8.500 LB	GRAY		2 #22 PP FS PVC FR
9451 008500         500 FT         8.000 LB         GRAY         2 #22 PP FS PVC FR           9451 0085000         5,000 FT         75.000 LB         GRAY         C N         2 #22 PP FS PVC FR           9451 00921000         1,000 FT         16.000 LB         WHITE         2 #22 PP FS PVC FR           9451 00921000         1,000 FT         17.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 0095000         5,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010Z1000         1,000 FT         17.000 LB         BLACK         2 #22 PP FS PVC FR           9451 0101000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR	9451 008Z1000	1,000 FT	17.000 LB	GRAY		2 #22 PO FS PVC FR
9451 0085000         5,000 FT         75.000 LB         GRAY         C N         2 #22 PP FS PVC FR           9451 009U1000         1,000 FT         16.000 LB         WHITE         2 #22 PP FS PVC FR           9451 009Z1000         1,000 FT         17.000 LB         WHITE         2 #22 PP FS PVC FR           9451 0095000         5,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR           9451 0101000         1,000 FT         17.000 LB         BLACK         2 #22 PP FS PVC FR           9451 0101000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR	9451 0081000	1,000 FT	16.000 LB	GRAY		2 #22 PP FS PVC FR
9451 009U1000       1,000 FT       16.000 LB       WHITE       2 #22 PP FS PVC FR         9451 009Z1000       1,000 FT       17.000 LB       WHITE       2 #22 PO FS PVC FR         9451 0095000       5,000 FT       75.000 LB       WHITE       C N       2 #22 PP FS PVC FR         9451 010N1000       1,000 FT       18.000 LB       BLACK       2 #22 PP FS PVC FR         9451 010U1000       1,000 FT       16.000 LB       BLACK       2 #22 PP FS PVC FR         9451 010Z1000       1,000 FT       17.000 LB       BLACK       2 #22 PP FS PVC FR         9451 0101000       1,000 FT       16.000 LB       BLACK       2 #22 PP FS PVC FR	9451 008500	500 FT	8.000 LB	GRAY		2 #22 PP FS PVC FR
9451 009Z1000         1,000 FT         17.000 LB         WHITE         2 #22 PO FS PVC FR           9451 0095000         5,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010Z1000         1,000 FT         17.000 LB         BLACK         2 #22 PO FS PVC FR           9451 0101000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR	9451 0085000	5,000 FT	75.000 LB	GRAY	CN	2 #22 PP FS PVC FR
9451 0095000         5,000 FT         75.000 LB         WHITE         C N         2 #22 PP FS PVC FR           9451 010N1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010Z1000         1,000 FT         17.000 LB         BLACK         2 #22 PO FS PVC FR           9451 0101000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR	9451 009U1000	1,000 FT	16.000 LB	WHITE		2 #22 PP FS PVC FR
9451 010N1000         1,000 FT         18.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010U1000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR           9451 010Z1000         1,000 FT         17.000 LB         BLACK         2 #22 PO FS PVC FR           9451 0101000         1,000 FT         16.000 LB         BLACK         2 #22 PP FS PVC FR	9451 009Z1000	1,000 FT	17.000 LB	WHITE		2 #22 PO FS PVC FR
9451 010U1000       1,000 FT       16.000 LB       BLACK       2 #22 PP FS PVC FR         9451 010Z1000       1,000 FT       17.000 LB       BLACK       2 #22 PO FS PVC FR         9451 0101000       1,000 FT       16.000 LB       BLACK       2 #22 PP FS PVC FR	9451 0095000	5,000 FT	75.000 LB	WHITE	CN	2 #22 PP FS PVC FR
9451 010Z1000       1,000 FT       17.000 LB       BLACK       2 #22 PO FS PVC FR         9451 0101000       1,000 FT       16.000 LB       BLACK       2 #22 PP FS PVC FR	9451 010N1000	1,000 FT	18.000 LB	BLACK		2 #22 PP FS PVC FR
9451 0101000 1,000 FT 16.000 LB BLACK 2 #22 PP FS PVC FR	9451 010U1000	1,000 FT	16.000 LB	BLACK		2 #22 PP FS PVC FR
· · · · · · · · · · · · · · · · · · ·	9451 010Z1000	1,000 FT	17.000 LB	BLACK		2 #22 PO FS PVC FR
0451 0105000   5 000 ET   75 000 LB   PLACK   C.N.   2 #22 PD ES DVC ED	9451 0101000	1,000 FT	16.000 LB	BLACK		2 #22 PP FS PVC FR
0,000   1,000 LD   DLACK   CN   2 #22 FF F5 PVC FR	9451 0105000	5,000 FT	75.000 LB	BLACK	CN	2 #22 PP FS PVC FR

#### Notes:

C = CRATE REEL PUT-UP.

N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 08-08-2012

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METRIC MEASUREMENT VERSION



## 9451 Multi-Conductor - Single-Pair Cables

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