



Part Number: 9867

High Voltage Leads, (1) 20 AWG (7x28) TC, PE/PVC, 30000V, 80°C

Product Description

One 20 AWG stranded (7x28) tinned copper conductor, polyethylene insulation, PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	No. of Conductors	
20	7x28	TC - Tinned Copper	1	
Conductor Count:			1	
AWG Size:			20	

Insulation	
Material	Nominal Wall Thickness
PE - Polyethylene	0.046 in
Insulation, Table Note: .003 in. conductive polyethylene over stranding.	

Outer Jacket Material		
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.191 in	0.028 in

Electrical Characteristics

High Frequency (Nominal/Typical)

Nom. Insertion Loss
6 dB/100m
6 dB/100m
6 dB/100m
6 dB/100m

Unbalanced Crosstalk

Typical Unbalanced NEXT %
6 MHz

Voltage

Breakdown Voltage	Description	UL Description	UL Voltage Rating	Voltage Rating [V]
60,000 DC kV	AC (60 Hertz)	DC	30,000 V RMS	10,000 V

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 3239)
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Mechanical Characteristics

Bulk Cable Weight:	19 lbs/1000ft
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Standards

UL AWM Style:	UL Style 3239 (30000V DC 80°C)
Military Specification:	N/A

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
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Part Number

Plenum (Y/N):	No
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Variants

Item #	Color
9867 002500	RED

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.