

# Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

**BELDEN**  
SENDING ALL THE RIGHT SIGNALS

83027 Hook-up/Lead - UL AWM Style 1180

For more Information  
please call

1-800-Belden1



## Description:

Stranded silver-coated copper conductor insulation with extruded TFE Teflon.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
1	20	19x32	SPC - Silver Plated Copper

### Insulation

#### Insulation Material:

Insulation Material	Wall Thickness (mm)
TFE - Tetrafluoroethylene	0.381

### Overall Insulation

### Overall Cabling

Overall Nominal Diameter: 1.727 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

UL AWM Style:	1180
UL Rating:	300 V RMS, 200°C
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):	04/01/2005
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
Military Specification:	MIL-W-16878/5 (Except For Stranding)
MIL Spec Rating:	1000 V, 200°C

### Flame Test

UL Flame Test:	VW-1
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83027 001100	30 MT	0.272 KG	BROWN		#20 STR TFE BRN

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83027 0011000	305 MT	3.175 KG	BROWN	S W	#20 STR TFE BRN
83027 002100	30 MT	0.272 KG	RED		#20 STR TFE RED
83027 0021000	305 MT	3.175 KG	RED	S W	#20 STR TFE RED
83027 003100	30 MT	0.272 KG	ORANGE		#20 STR TFE ORG
83027 0031000	305 MT	3.175 KG	ORANGE	S W	#20 STR TFE ORG
83027 004100	30 MT	0.272 KG	YELLOW		#20 STR TFE YEL
83027 0041000	305 MT	3.175 KG	YELLOW	S W	#20 STR TFE YEL
83027 005100	30 MT	0.272 KG	GREEN, DARK		#20 STR TFE GRNDK
83027 0051000	305 MT	3.175 KG	GREEN, DARK	S W	#20 STR TFE GRNDK
83027 006100	30 MT	0.272 KG	BLUE, LIGHT		#20 STR TFE BLULT
83027 0061000	305 MT	3.175 KG	BLUE, LIGHT	S W	#20 STR TFE BLULT
83027 007100	30 MT	0.272 KG	VIOLET		#20 STR TFE VIO
83027 0071000	305 MT	3.175 KG	VIOLET	S W	#20 STR TFE VIO
83027 008100	30 MT	0.272 KG	GRAY		#20 STR TFE GRY
83027 009100	30 MT	0.272 KG	WHITE		#20 STR TFE WHT
83027 0091000	305 MT	3.175 KG	WHITE	S W	#20 STR TFE WHT
83027 010100	30 MT	0.272 KG	BLACK		#20 STR TFE BLK
83027 0101000	305 MT	3.175 KG	BLACK	S W	#20 STR TFE BLK
83027 010500	152 MT	1.588 KG	BLACK	S W	#20 STR TFE BLK

#### Notes:

S = STRIPPING ADDERS FOR TYPES E AND EE: 123 STRIPES. MINIMUM ORDER 10

W = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'

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