

## Description:

16 AWG stranded (19x29) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 18 AWG stranded TC drain wire, PVC jacket.

## Physical Characteristics (Overall)

### Conductor

**AWG:**

# Pairs	AWG	Stranding	Conductor Material
1	16	19x29	TC - Tinned Copper

### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (in.)
PE - Polyethylene	.032

### Outer Shield

**Outer Shield Material:**

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

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire	Conductor Material
18	Stranded	TC - Tinned Copper	

### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.032

### Overall Cabling

**Overall Nominal Diameter:** 0.313 in.

### Pair

**Pair Color Code Chart:**

Number	Color
1	Black & Clear

**Pair Lay Length & Direction:**

Lay Length (in.)	Twists/ft. (twist/ft)
2.750	4.400

## Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-20°C To +80°C
<b>UL Temperature Rating:</b>	80°C (UL AWM Style 20253)
<b>Bulk Cable Weight:</b>	50 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	102 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	3 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 20253 (600 V 80°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):	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:	UL1685 UL Loading
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)
65

### Nom. Inductance:

Inductance (µH/ft)
.2

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
23

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
44

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.5

### Max. Operating Voltage - UL:

Voltage
600 V RMS (UL AWM Style 20253); 150 V RMS

### Max. Recommended Current:

Current
7 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8719 060U1000	1,000 FT	46.000 LB	CHROME		2 #16 LDPE FS PVC
8719 060U500	500 FT	24.000 LB	CHROME		2 #16 LDPE FS PVC
8719 0601000	1,000 FT	49.000 LB	CHROME	C	2 #16 LDPE FS PVC
8719 06010000	10,000 FT	430.000 LB	CHROME	C Y	2 #16 LDPE FS PVC
8719 0602000	2,000 FT	100.000 LB	CHROME	C	2 #16 LDPE FS PVC
8719 060500	500 FT	25.500 LB	CHROME	C	2 #16 LDPE FS PVC
8719 0605000	5,000 FT	245.000 LB	CHROME	C	2 #16 LDPE FS PVC

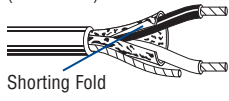
**Notes:**

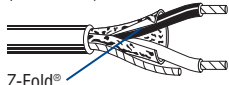
C = CRATE REEL PUT-UP.

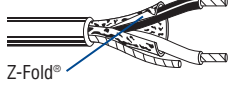
Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

# Overall Beldfoil® Shield

## Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance							
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m				
<b>16 AWG</b> Stranded (19x29) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 18 AWG Stranded TC Drain Wire																						
<b>Polyethylene Insulation • Chrome PVC Jacket</b>																						
UL AWM Style 20253 (600V 80°C)  Shorting Fold	<b>8719</b>	NEC: CM, CL2 CEC: CM	1	Black, Clear	U-500	U-152.4	24.0	11.1	.032	.81	.032	.81	.313	7.95	23	75	44	144				
					500	152.4	25.5	11.6														
					U-1000	U-304.8	47.0	21.3														
					1000	304.8	50.0	22.7														
					2000	609.6	100.0	45.5														
					5000	1524.0	245.0	111.4														
	10000	3048.0	510.0	231.3																		

<b>14 AWG</b> Stranded (19x27) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 16 AWG Stranded TC Drain Wire																						
<b>Polyethylene Insulation • Chrome PVC Jacket</b>																						
UL AWM Style 20253 (600V 80°C)  Z-Fold®	<b>8720</b>	NEC: CM, CL2	1	Black, Clear	U-500	U-152.4	34.0	15.4	.032	.81	.035	.89	.355	9.02	24	79	47	154				
					500	152.4	35.0	15.9														
					1000	304.8	71.0	32.3														
					2000	609.6	138.0	62.7														

<b>12 AWG</b> Stranded (19x25) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 14 AWG Stranded TC Drain Wire																						
<b>Polyethylene Insulation • Chrome PVC Jacket</b>																						
UL AWM Style 20253 (600V 80°C)  Z-Fold®	<b>8718</b>	NEC: CL2	1	Black, Clear	U-500	U-152.4	47.5	21.6	.037	.94	.040	1.02	.400	10.16	25	82	49	161				
					500	152.4	50.5	22.9														
					1000	304.8	100.0	45.5														
					2000	609.6	198.0	90.0														

TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.