

Description:

12 AWG stranded (19x25) TC conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 14 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	12	19x25	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PE - Polyethylene	.037

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.040

Overall Cabling

Overall Nominal Diameter: 0.400 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Clear

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
2.000	6.000

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 20253)
Bulk Cable Weight:	93 lbs/1000 ft.
Max. Recommended Pulling Tension:	225 lbs.
Min. Bend Radius (Install)/Minor Axis:	4 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2
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)
55

Nom. Inductance:

Inductance (µH/ft)
.2

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
25

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
49

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.6

Max. Operating Voltage - UL:

Voltage
600 V RMS (UL AWM Style 20253); 300 V RMS (CSA)

Max. Recommended Current:

Current
12.5 Amps per conductor @ 25°C

Put Ups and Colors:

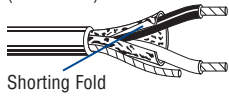
Item #	Putup	Ship Weight	Color	Notes	Item Desc
8718 060U500	500 FT	47.500 LB	CHROME		2 #12 PE SHLD PVC
8718 0601000	1,000 FT	100.000 LB	CHROME	C	2 #12 PE SHLD PVC
8718 0602000	2,000 FT	198.000 LB	CHROME	C	2 #12 PE SHLD PVC
8718 060500	500 FT	51.000 LB	CHROME	C	2 #12 PE SHLD PVC

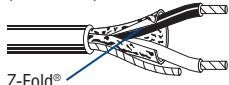
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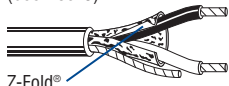
C = CRATE REEL PUT-UP.

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				
16 AWG Stranded (19x29) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 18 AWG Stranded TC Drain Wire																						
Polyethylene Insulation • Chrome PVC Jacket																						
UL AWM Style 20253 (600V 80°C)  Shorting Fold	8719	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																		

14 AWG Stranded (19x27) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 16 AWG Stranded TC Drain Wire																						
Polyethylene Insulation • Chrome PVC Jacket																						
UL AWM Style 20253 (600V 80°C)  Z-Fold®	8720	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														

12 AWG Stranded (19x25) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 14 AWG Stranded TC Drain Wire																						
Polyethylene Insulation • Chrome PVC Jacket																						
UL AWM Style 20253 (600V 80°C)  Z-Fold®	8718	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.