Detailed Specifications & Technical Data



9156 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



General Description:

18 AWG stranded (16x30) tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

Physical Characteristics (Overall) Conductor AWG:	
AWG:	
# Pairs AWG Stranding Conductor Material 2 18 16x30 TC - Tinned Copper	
Total Number of Conductors:	4
Insulation Insulation Material:	
Insulation Material Wall Thickness (in.)	
PVC - Polyvinyl Chloride 0.013	
Inner Shield	
Inner Shield Material: Inner Shield Material	
Unshielded	
Outer Shield	
Outer Shield Material:	
Outer Shield Material	
Unshielded	
Outer Jacket Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in.)	
PVC - Polyvinyl Chloride .035	
Overall Cable	
Overall Nominal Diameter:	0.333 in.
Pair	
Pair Color Code Chart:	
Number Color	
1 Black & Red 2 Black & White	
2 Black & White	
2 Black & White Pair Lay Length & Direction:	
Image: 2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction 2.000 6.000 Left Hand	
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction	-20°C To +80°C
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction 2.000 6.000 Left Hand Mechanical Characteristics (Overall)	-20°C To +80°C 48 lbs/1000 ft.
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) 2.000 6.000 Left Hand Mechanical Characteristics (Overall) Operating Temperature Range:	
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction 2.000 6.000 Left Hand Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight:	48 lbs/1000 ft.
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction 2.000 6.000 Left Hand Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension:	48 lbs/1000 ft. 90 lbs. 3.500 in.
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction 2.000 6.000 Left Hand Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis:	48 lbs/1000 ft. 90 lbs. 3.500 in.
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction 2.000 6.000 Left Hand Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (O	48 lbs/1000 ft. 90 lbs. 3.500 in.
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction 2.000 6.000 Left Hand Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (O Applicable Standards & Environmental Programs	48 lbs/1000 ft. 90 lbs. 3.500 in.
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction 2.000 6.000 Left Hand Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (O Applicable Standards & Environmental Programs NEC/(UL) Specification:	48 lbs/1000 ft. 90 lbs. 3.500 in. Verall) CMG
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction 2.000 6.000 Left Hand Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (O Applicable Standards & Environmental Programs NEC/(UL) Specification: NEC Articles:	48 lbs/1000 ft. 90 lbs. 3.500 in. Everall) CMG 800
2 Black & White Pair Lay Length & Direction: Lay Length (in.) Twists (twist/ft) Direction 2.000 6.000 Left Hand Mechanical Characteristics (Overall) Operating Temperature Range: Bulk Cable Weight: Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: Applicable Specifications and Agency Compliance (O Applicable Standards & Environmental Programs NEC/(UL) Specification: NEC Articles: CEC/C(UL) Specification:	48 lbs/1000 ft. 90 lbs. 3.500 in. Verall) CMG 800 CMG

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ENGLISH MEASUREMENT VERSION

9156 Multi-Conductor - Audio, Control and Instrumentation Cable

EU Diractive 2000/S2EC (ELV): Yes EU Diractive 2002/95/EC (RoHS): 04/01/2005 EU RoHS Compliance Date (mm/ddlyyyy): 04/01/2005 EU Diractive 2002/95/EC (WEEE): Yes EU Diractive 2002/95/EC (WEEE): Yes EU Diractive 2002/95/EC (WEEE): Yes EU Diractive 2003/11/EC (BFR): Yes CA Prop 55 (CJ for Wire & Cablo): Yes MII Ord # 359 (China RoHS): Yes Vire Sattisting - Indone Table: UL1685 FT4 Loading CSA Flame Test: UL1685 FT4 Loading Suitability - Indoor: Yes Suitability - Indoor: Yes Plenum /Non-Plenum Yes Plenum /Non-Plenum No Eccentristics (Overall) No Non. Capacitance Conductor to Conductor: Sistability - Indoor: 25.5 Non. Conductor DC Resistance: Image: Conductor DC Resistance: Sistability - Indoor: Source: Sistability - Indoor: 25.5 Name Separatione Conductor to Conductor: Sistability - Indoor: Sistability - Indoor: Source: Sistability - Indoor: Source: Sistability -		
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 85 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes Flame Test UL 1885 FT4 Loading CSA Flame Test: UL 1885 FT4 Loading Sutability Sutability Sutability Yes Plenum/Non-Plenum Yes Plenum/Non-Plenum No Plenum/Non-Plenum No Plenum/Non-Plenum No Sutability Solatability Nom. Capacitance Conductor to Conductor: Capacitance (pf/ft) Z5.5 Solatability Nom. Copacitance Uncestance: Voltage Voltage 200 V (Nimity) Max. Rogenating Voltage - UL: Voltage Voltage 200 V RMS Max. Recommended Current: Lite	EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/86/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 1685 FT4 Loading CSA Flame Test: UL 1685 FT4 Loading Suitability Suitability Suitability Yes Plenum/Non-Plenum Yes Plenum/Non-Plenum No Plenum (YiN): No Capacitance Conductor to Conductor: Capacitance (pf/ft) 25.5 State Nom. Capacitance Conductor to Conductor: Capacitance (pf/ft) 25.5 Sate Name. Conductor DC Resistance: Vitage Vottage Sate Max. Rocrommended Current: Vitage	EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mil Order #39 (China RoHS): Yes Flame Test UL flame Test: UL Flame Test: UL 1685 FT4 Loading CSA Flame Test: V1485 Suitability Yes Plenum/Non-Plenum Yes Plenum/Non-Plenum No Electrical Characteristics (Overall) No Nom. Capacitance (orf/fi) Solutability is 5.5 Nom. Conductor DC Resistance: UL flame is 5.5 DCR @ 20°C (Ohm/1000 ft) 5.36 Max. Recommended Current: UL:	EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes Flame Test: UL f685 FT4 Loading CSA Flame Test: UL 1685 FT4 Loading CSA Flame Test: VI 1685 FT4 Loading Suitability Suitability Suitability Yes Plenum/Non-Plenum Yes Plenum (Y/N): No Etectrical Characteristics (Overall) No Nom. Capacitance Conductor to Conductor: Capacitance (pF/f) Soft Saft Max. Operating Voltage - UL: Voltage Voltage Saft Max. Recommended Current: Saft	EU Directive 2002/96/EC (WEEE):	Yes
MI Order #39 (China RoHS): Yes Flame Test: UL f8ds FT4 Loading UL Flame Test: FT4 Suitability suitability - Indoor: Suitability Yes Plenum/Non-Plenum Yes Plenum (Y/N): No Etectrical Characteristics (Overall) No Nom. Capacitance (op/fit) Solution (Conductor to Conductor) Capacitance (op/fit) Solution (Conductor) Max. Operating Voltage - UL: Voltage Voltage 300 V RMS Max. Recommended Current: Line (Conductor)	EU Directive 2003/11/EC (BFR):	Yes
Flame Test: UL 1685 FT4 Loading CSA Flame Test: FT4 Suitability suitability Suitability - Indoor: Yes Plenum/Non-Plenum No Plenum (Y/N): No Electrical Characteristics (Overall) No Nom. Capacitance (pF/ft) 25.5 Nom. Conductor DC Resistance: Voltage DSR @ 20°C (Ohm/1000 ft) s.88 Max. Operating Voltage - UL: Voltage Voltage 300 V RMS	CA Prop 65 (CJ for Wire & Cable):	Yes
UL Flame Test: UL 1685 FT4 Loading CSA Flame Test: FT4 Suitability Yes Plenum/Non-Plenum No Plenum (Y/N): No Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 25.5 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.86 Max. Operating Voltage - UL: Voltage 300 V RMS	MII Order #39 (China RoHS):	Yes
CSA Flame Test: FT4 Suitability Suitability Suitability Yes Plenum/Non-Plenum No Plenum (Y/N): No Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 25.5 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.86 300 V RMS Max. Recommended Current:	Flame Test	
Suitability Yes Plenum/Non-Plenum No Plenum (Y/N): No Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 25.5 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.86 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:	UL Flame Test:	UL1685 FT4 Loading
Suitability - Indoor: Yes Plenum/Non-Plenum No Plenum (Y/N): No Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 25.5 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.86 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:	CSA Flame Test:	FT4
Plenum/No-Plenum Plenum (Y/N): No Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 25.5 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.86 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:	Suitability	
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Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 25.5 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.86 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:	Plenum/Non-Plenum	
Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 25.5 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.86 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:	Plenum (Y/N):	No
Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 25.5 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.86 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:	Electrical Characteristics (Overall)	
25.5 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.86 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:		
DCR @ 20°C (Ohm/1000 ft) 5.86 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:		
5.86 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current:	Nom. Conductor DC Resistance:	
Voltage 300 V RMS Max. Recommended Current:		
300 V RMS Max. Recommended Current:	Max. Operating Voltage - UL:	
Description Current	Max. Recommended Current:	
10C Temperature Rise 3.9 Amps per conductor @ 20°C ambient	• • • •	

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9156 060U1000	1,000 FT	49.000 LB	CHROME		2 #18 PR PVC PVC
9156 060U500	500 FT	25.000 LB	CHROME		2 #18 PR PVC PVC
9156 0601000	1,000 FT	51.000 LB	CHROME	С	2 #18 PR PVC PVC
9156 060500	500 FT	27.000 LB	CHROME	С	2 #18 PR PVC PVC
9156 0605000	5,000 FT	260.000 LB	CHROME	CZ	2 #18 PR PVC PVC

Notes: C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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