

9743 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.

AWG: # Pairs AWG Stranding Conductor Material 19 18 16x30 TC - Tinned Copper Total Number of Conductors: 38 Insulation Insulation Material: Insulation Material: Vall Thickness (mm) PVC - Polyvinyl Chloride 0.330 Outer Shield Material: Outer Shield Material: Unshielded Outer Jacket Material: Outer Jacket Material: Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 1.397 Nom. Wall Thickness (mm)	IO AVIG SU	nueu (Toxso) linneu copper conductors, PVC insulation, twisteu pairs, PVC jacket.	
AWG: I airs AWG Stranding Conductor Material 19 16 x 30 Total Number of Conductors: 38	Physical Chara	steristics (Overall)	
# Pairs AWG Stranding Conductor Material 38 Total Number of Conductors: 38	Conductor		
19 18 16x30 TC - Tinned Copper Total Number of Conductors: 38 Insulation Material: Insulation Material: Insulation Material: Insu			
Total Number of Conductors: 38 Insulation Material: Insulation Material: Insulation Material: Wall Thickness (mm) PVC - Polyvinyl Chioride 0.330 Outer Shield Material: Unshielded Outer Shield Material: Unshielded Outer Jacket Material: PVC - Polyvinyl Chioride Outer Jacket Material: Insulation (State) Outer Jacket Material: PVC - Polyvinyl Chioride Outer Jacket Material: Insulation Outer Jacket Material: PVC - Polyvinyl Chioride PVC - Polyvinyl Chioride 1.397 Overall Cable State Overall Nominal Diameter: 18.313 mm Pair Black & Redi 3 Black & Somi 3 Black & Somi 3			
Insulation Insulation Material: Wall Thickness (mm) PVC - Polyvinyl Chloride Outer Shield Material: Outer Shield Material: Outer Jacket Material Outer Jacket Material: Outer Jacket Material:	19 18	10x30 IC - linned Copper	
Insulation Material: Insulation Material Wall Thickness (mm) PVC - Polyvinyl Cholodia 0.330 Outer Shield Material: Outer Shield Material: Outer Shield Material: 0 Outer Shield Material: 0 Outer Shield Material: 0 Outer Jacket Material: 0 PVC - Polyvinyl Choirdia 1.397 Overall Cable 18.313 mm Pair Color 1 Pair Color 1 1 Black & Red 2 Black & Red 3 Black & Red 4 Black & Red 4 Black & Red 5 Black & Red 4 Black & Red 5 Black & Red 6 Black & Rorange	Total Number	of Conductors: 38	
Insulation Material Wall Thickness (mm) PVC - Polyvinyl Chloride 0.330 Outer Shield Material:	Insulation		
PVC - Polyvinyl Chloride 0.330 Outer Shield Material:	Insulation Mater	d:	
Outer Shield Material: Outer Shield Material: Outer Shield Material: Outer Jacket Outer Jacket Material:: Outer Jacket Material: Overall Cable Overall Nominal Diameter: 18.313 mm Pair Color Code Chart: Number Color 1 Black & Red 2 Black & Steen 4 Black & Steen 4 Black & Steen 4 Black & Steen 5 Black & Steen 6 Black & Steen 7 Black & Orange	Insulation Ma	erial Wall Thickness (mm)	
Outer Shield Material: Outer Shield Material: Unshielded Outer Jacket Outer Jacket Material: Outer Jacket Material: Outer Jacket Material: PVC - Polyvinyl Chloride 1.397 Overall Cable Overall Nomina Diameter: 18.313 mm Pair Pair Color Code Chart: 1 1 8 Black & Red 2 8 Black & Red 3 8 Black & Red 3 8 Black & Stellow 5 5 8 Black & Stellow 6 8 Black & Blue 5 8 Black & Stellow 6 8 Black & Stellow 7 8 Black & Stellow	PVC - Polyvin	Chloride 0.330	
Outer Shield Material: Outer Shield Material: Unshielded Outer Jacket Outer Jacket Material: Outer Jacket Material: Outer Jacket Material: PVC - Polyvinyl Chloride 1.397 Overall Cable Overall Nomina Diameter: 18.313 mm Pair Pair Color Code Chart: 1 1 8 Black & Red 2 8 Black & Red 3 8 Black & Red 3 8 Black & Stellow 5 5 8 Black & Stellow 6 8 Black & Blue 5 8 Black & Stellow 6 8 Black & Stellow 7 8 Black & Stellow	Outer Shield		
Unshielded Outer Jacket Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 1.397 Overall Cable Overall Nominal Diameter: 18.313 mm Pair Pair Color Code Chart: Number Color 1 Black & Red 2 Black & Ked 2 Black & Ked 3 Black & Seen 4 Black & Seen 5 Black & Stelow 6 Black & Stelow 7 Black 7 Black & Stelow 7 Black 7		orial:	
Outer Jacket Outer Jacket Material Nome Vacket Material Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 1.397 Overall Cable Overall Nominal Diameter: 18.313 mm Pair Pair Color Code Chart: Number Color 1 Black & Red 2 Black & Green 4 Black & Green 4 Black & Green 4 Black & Blue 5 Black & Blue 6 Black & Brown 7 Black & Crange	Outer Shield	Iaterial	
Outer Jacket Material: Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 1.397 Overall Cable Iteration Overall Nominal Diameter: 18.313 mm Pair Pair Color Code Chart: Number Color 1 Black & Red 2 Black & Red 3 Black & Red 4 Black & Blue 5 Black & Blue 5 Black & Brown 6 Black & Brown 7 Black & Orange	Unshielded		
Outer Jacket Material: Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 1.397 Overall Cable Iteration Iteration Overall Nominal Diameter: 18.313 mm Pair Pair Color Code Chart: Pair Black & Red 2 Black & Red 3 Black & Green 4 Black & Blue 5 Black & Stroim 6 Black & Stroim 7 Black & Orange			
Outer Jacket Material Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 1.397 Overall Cable 0verall Nominal Diameter: 18.313 mm Pair Color Code Chart: 1 Black & Red Q Black & Red 2 Black & Red Q Black & Green 4 Black & Green A Black & Stown 5 Black & Brown F 5 Black & Strown 5 Black & Brown 5 Black & Crange		nrial.	
PVC - Polyvinyl Chloride 1.397 Overall Cable 0 Overall Nominal Diameter: 18.313 mm Pair Color Code Chart: Number Color 1 Black & Red 2 Black & Red 3 Black & Green 4 Black & Blue 5 Black & Brown 7 Black & Orange			
Overall Cable Overall Nominal Diameter: 18.313 mm Pair Pair Color Code Chart: Number Color 1 Black & Red 2 Black & Red 3 Black & Green 4 Black & Blue 5 Black & Stellow 6 Black & Brown 7 Black & Orange			
Overall Nominal Diameter: 18.313 mm Pair Pair Color Code Chart: Number Color 1 Black & Red 2 Black & White 3 Black & Green 4 Black & Blue 5 Black & Yellow 6 Black & Brown 7 Black & Orange	1 VO - I Olyvii		
Number Color 1 Black & Red 2 Black & White 3 Black & Green 4 Black & Blue 5 Black & Yellow 6 Black & Brown 7 Black & Orange	Overall Cable		
Number Color1Black & Red2Black & White3Black & Green4Black & Blue5Black & Yellow6Black & Brown7Black & Orange	Overall Nomi	al Diameter: 18.313 mm	
Number Color1Black & Red2Black & White3Black & Green4Black & Blue5Black & Yellow6Black & Brown7Black & Orange	Pair		
1Black & Red2Black & White3Black & Green4Black & Blue5Black & Yellow6Black & Brown7Black & Orange		Chart:	
2Black & White3Black & Green4Black & Blue5Black & Yellow6Black & Brown7Black & Orange	Number Col	r	
3Black & Green4Black & Blue5Black & Yellow6Black & Brown7Black & Orange	1 Blac	& Red	
4Black & Blue5Black & Yellow6Black & Brown7Black & Orange	2 Blac	& White	
5Black & Yellow6Black & Brown7Black & Orange	3 Blac	& Green	
6 Black & Brown 7 Black & Orange	4 Blac	& Blue	
7 Black & Orange	5 Blac	& Yellow	
	6 Blac	& Brown	
	7 Blac	& Orange	

Mechanical Characteristics (Overall)

Red & Green

Red & Yellow Red & Brown

Red & Orange

Green & White

Green & Blue

Green & Yellow

Green & Brown Green & Orange

White & Blue

Red & Blue

9 10

11

12 13

14

15

16

17

18 19

· · · · · ·	
Operating Temperature Range:	-20°C To +80°C
Non-UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	476.224 Kg/Km
Max. Recommended Pulling Tension:	3416.218 N
Min. Bend Radius/Minor Axis:	184.150 mm

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9743 Multi-Conductor - Audio, Control and Instrumentation Cable

Applicable Specifications and Agency Complia	ice (Overall)	
Applicable Specifications and Agency compilations and		
NEC/(UL) Specification:	CMG	
CEC/C(UL) Specification:	CMG	
AWM Specification:	UL Style 2464 (300 V 80°C)	
EU Directive 2011/65/EU (ROHS II):	Yes	
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	
Flame Test		
UL Flame Test:	UL1685 FT4 Loading	
CSA Flame Test:	FT4	
Plenum/Non-Plenum		
Plenum (Y/N):	No	
Electrical Characteristics (Overall)		
Nom. Inductance:		
Inductance (µH/m) 0.55777		
Nom. Capacitance Conductor to Conductor:		
Capacitance (pF/m) 98.43		
Nom. Conductor DC Resistance:		
DCR @ 20°C (Ohm/km) 22.3108		
Max. Operating Voltage - UL:		
Voltage 300 V RMS		
Max. Recommended Current:		
Current 2.1 Amps per conductor @ 25°C		
Put Ups and Colors:		
		_

Ship Weight Item # Putup Color Notes Item Desc 9743 0601000 1,000 FT 355.000 LB CHROME С 19 PR #18 PVC PVC

Notes: C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-14-2012

© 2015 Belden, Inc All Rights Reserved

All Rights Reserved. Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product tiself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden belicares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.