

METRIC MEASUREMENT VERSION

9506 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire (continued), PVC jacket.

hysical Charact	eristics (O	verall)						
Conductor								
AWG:								
# Pairs AWG Stra								
6 24 7x3	2 TC - Tin	ned Copper						
Total Number of	Conductors:		12					
nsulation								
Insulation Materia	l:							
Insulation Materia	al	Wall Thickness ((mm)					
S-R PVC - Semi-R	igid Polyvinyl Ch	loride 0.279						
Outer Shield								
Outer Shield Mate	rial:							
		Outer Shield Material		Coverage (%)				
outor officia frac	io italilo i jpo				3			
Beldfoil®	Tape		Tape w/Shorting Fold)			
	n Wire AWG:	Aluminum Foil-Polyester	Tape w/Shorting Fold		•)			
Outer Shield Drain AWG Stranding I 24 7x32	n Wire AWG: Drain Wire Con TC - Tinned Cop erial:	Aluminum Foil-Polyester	Tape w/Shorting Fold		5)			
Outer Shield Drain AWG Stranding I 24 7x32 ⁻ Outer Jacket Outer Jacket Mate	n Wire AWG: Drain Wire Con TC - Tinned Cop erial: erial Nom. W	Aluminum Foil-Polyester	Tape w/Shorting Fold		5)			
Outer Shield Drain AWG Stranding I 24 7x32	n Wire AWG: Drain Wire Con TC - Tinned Cop erial: erial Nom. W	Aluminum Foil-Polyester	Tape w/Shorting Fold		6) 			
Outer Shield Drain AWG Stranding I 24 7x32 ⁻ Outer Jacket Outer Jacket Mate	n Wire AWG: Drain Wire Con TC - Tinned Cop erial: erial Nom. W	Aluminum Foil-Polyester	Tape w/Shorting Fold		6)			
Outer Shield Drain AWG Stranding I 24 7x32 Outer Jacket Outer Jacket Mate Outer Jacket Mate PVC - Polyvinyl Ch	n Wire AWG: Drain Wire Con TC - Tinned Cop erial: erial Nom. W nloride 0.813	Aluminum Foil-Polyester	Tape w/Shorting Fold		5)			
Outer Shield Drain AWG Stranding I 24 7x32 Cuter Jacket Outer Jacket Mate Outer Jacket Mate PVC - Polyvinyl Ch Overall Cable Overall Nominal	n Wire AWG: Drain Wire Con TC - Tinned Cop erial: erial Nom. W nloride 0.813	Aluminum Foil-Polyester			5) 			
Outer Shield Drain AWG Stranding I 24 7x32 Outer Jacket Outer Jacket Mate Outer Jacket Mate Outer Jacket Mate Outer Jacket Mate Overall Cable Overall Nominal Pair	n Wire AWG: Drain Wire Com TC - Tinned Cop erial: erial Nom. W aloride 0.813 Diameter:	Aluminum Foil-Polyester			5) 			
Outer Shield Drain AWG Stranding I 24 7x32 Cuter Jacket Outer Jacket Mate Outer Jacket Mate PVC - Polyvinyl Ch Overall Cable Overall Nominal	n Wire AWG: Drain Wire Com TC - Tinned Cop erial: erial Nom. W aloride 0.813 Diameter:	Aluminum Foil-Polyester			5) 			
Outer Shield Drain AWG Stranding I 24 7x32 Duter Jacket Outer Jacket Mate Outer Jacket Mate PVC - Polyvinyl Ch Dverall Cable Overall Nominal Pair Pair Color Code C	n Wire AWG: Drain Wire Com TC - Tinned Cop erial: erial Nom. W hloride 0.813 Diameter:	Aluminum Foil-Polyester			5) 	 		
Outer Shield Drain AWG Stranding I 24 7x32 Duter Jacket Outer Jacket Mate Outer Jacket Mate PVC - Polyvinyl Ch Dverall Cable Overall Nominal Pair Pair Color Code C Number Color	n Wire AWG: Drain Wire Com TC - Tinned Cop erial: erial Nom. W aloride 0.813 Diameter: chart:	Aluminum Foil-Polyester			5)	 		
Outer Shield Drain AWG Stranding I 24 7x32 Duter Jacket Outer Jacket Mate Outer Jacket Mate PVC - Polyvinyl Ch Dverall Cable Overall Nominal Pair Pair Color Code C Number Color 1 Black & F	n Wire AWG: Drain Wire Cond TC - Tinned Cop erial: erial Nom. W aloride 0.813 Diameter: Chart: Red White	Aluminum Foil-Polyester			5)			
Outer Shield Drain AWG Stranding I 24 7x32 Outer Jacket Outer Jacket Mate Outer Jacket Mate PVC - Polyvinyl Ch Overall Cable Overall Nominal Pair Pair Color Code C Number Color 1 Black & F 2 Black & V	n Wire AWG: Drain Wire Con TC - Tinned Cop erial: erial Nom. W noride 0.813 Diameter: Chart: Red White Green	Aluminum Foil-Polyester			5)			
Outer Shield Drain AWG Stranding I 24 7x32 Outer Jacket Outer Jacket Mate Outer Jacket Mate PVC - Polyvinyl Ch Overall Cable Overall Nominal Pair Pair Color Code C Number Color 1 Black & F 2 Black & V 3 Black & C	n Wire AWG: Drain Wire Com TC - Tinned Cop erial: erial Nom. W noride 0.813 Diameter: Chart: Red Vhite Green Blue (ellow	Aluminum Foil-Polyester			5)			

MC	chanical onalacteristics (Overall)	
	Operating Temperature Range:	-30°C To +80°C
	Non-UL Temperature Rating:	80°C (UL AWM Style 2464)
	Bulk Cable Weight:	65.481 Kg/Km
	Max. Recommended Pulling Tension:	293.581 N
	Min. Bend Radius/Minor Axis:	76.200 mm

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9506 Multi-Conductor - Computer Cable for EIA RS-232 Applications

Plenum (Y/N): No Plenum Number: 82506 Identified Colspan="2">Identified Colspan="2" Identified Colspan="2" <th></th> <th>& Environmental</th> <th>-</th> <th></th> <th></th> <th></th>		& Environmental	-			
AWM Specification: UL Style 2464 (300 V 80°C) CSA Specification: AVM I A EU Directive 2011/65/EU (ROHS II): Yes EU Ce Mark: Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2000/53/EC (ROHS): Yes EU Directive 2000/53/EC (BOHS): Yes EU Directive 2000/53/EC (BOHS): Yes CA Prop 65 (CJ for Wire & Cable): Yes ID Order #39 (China ROHS): Yes ID Flame Test: UL 1685 FT4 Loading CSA Flame Test: UL 1685 FT4 Loading CSA Flame Test: UL 1685 FT4 Loading Venum (YN): No Plenum Number: 82506 Conc Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance Conductor to Conductor & Shield: Capacitance Conductor of Cossistance: CC CC Constance: CC CC Constance: CC CC Constance: CC CC Co	NEC/(UL) Specificat	ion:	CMG	3		
CSA Specification: AWM I A EU Directive 2011/65/EU (ROHS II): Yes EU Directive 2020/65/E (C (MS): Yes EU Directive 2020/65/E (ROHS): Yes EU Directive 2020/65/E (ROHS): Yes EU Directive 2020/66/E (ROHS): Yes MID Order #39 (China ROHS): Yes VL Flame Test: UL 1685 FT4 Loading CSA Flame Test: PT4 Plenum Number: 82506 Rectical Characteristics (Overall) Kon. Capacitance Conductor to Conductor : Capacitance (Frim 164:05 Kon. Capacitance Conductor to Conductor & Shield: Capacitance (Frim 174:40 Kon. Conductor DR Resistance: DFC @ 20°C (Onnum) 172:744 Kon. Conductor Shield DC Resistance: DFC @ 20°C (Onnum) 172:745 Ka: Coperating Voltage - UL: Virging 172: Ad Soft @ 20°C (Onnum) 172: Ad Ka: Coperating Voltage - UL: Virging 200 V RMS	CEC/C(UL) Specifica	ation:	CMG	3		
EU Directive 2011/65/EU (ROHS II): Yes EU CE Mark: Yes EU Directive 2002/95/EC (ELV): Yes EU Directive 2002/95/EC (ROHS): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 55 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes MII Order #30 (Chi	AWM Specification:		UL S	ityle 2464 (300 V 8	30°C)	
EU CE Mark: Yes EU Directive 2000/63/EC (ELV): Yes EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/16/E (BFR): Yes CA Prop 85 (CJ for Wire & Cable): Yes MI Order #39 (China RoHS): Yes CA Prop 85 (CJ for Wire & Cable): Yes MI Order #39 (China RoHS): Yes CGA Fiame Test: UL 1685 FT4 Loading Cost Concoluctor to Conductor: Cost Concoluctor Cast Cance Conductor to Conductor: Cost Concoluctor to Conductor: Cast Cance Confine Cost Concoluctor of Propagation: VE 60 Conconductor D Resistance: Core Tame Thita Conding	CSA Specification:		AWN	11A		
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 2002/95/EC (WEEE): Yes UL Flame Test: UL 1685 FT4 Loading CSA Flame Test: UL 1685 FT4 Loading Capacitance Conductor to Conductor: Compacitance (Prim) 60a.30 Example: compacitance (Prim) States Economical Velocity of Propagation: VP 63 States Economical Velocity of Propagation: VP 73 States Economical V	EU Directive 2011/6	5/EU (ROHS II):	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 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes CA Prop 55 (CJ for Wire & Cable): Yes Mil Order #39 (China RoHS): Yes Mil Order #30 (China RoHS): Yes Mil Order #39 (China RoHS): Yes Mil Order #30 (China RoHS):	EU CE Mark:		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 Mil Order #39 (China RoHS): Yes UL Flame Test: UL flame Test: UL Flame Test: UL flame Test: UL Flame Test: UL flame Test: Other (YN): No Plenum (YN): No Plenum (YN): No Plenum Conception Conductor to Conductor: Capacitance (pFm) 164.05 form. Capacitance (pFm) 164.05 formal Uselocity of Propagation: VP %0 00 conductor DC Resistance: DCR @ 20*C (Ontwing) 24.40 178.744 torminal Uselocity of Resistance: DCR @ 20*C (Ontwing) 24.40 18.744 torminal Use Shield DC Resistance: DCR @ 20*C (Ontwing) 24.40 18.744 torminal Use Shield DC Resistance: DCR @ 20*C (Ontwing) 24.40 18.744 torminal Use Shield DC Resistance: DCR @ 20*C (Ontwing) 18.744 torminal Use Shield DC Resistance: DCR @ 20*C (Ontwing) 18.744 torming torming 19.745 tax. Recommended Current: Urrent 11.5 Amps per conductor @ 20*C	EU Directive 2000/53	3/EC (ELV):	Yes			
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): No Plenum Number: 82506 MII Order #30 (China RoHS): No MII Or	EU Directive 2002/98	5/EC (RoHS):	Yes			
EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China ROHS): Ves MII Order #39 (China ROHS): Ves MII Order #39 (China ROHS): Ves MII Order #39 (China ROHS): No Plenum Number: 82506 MII Order #30 (Coverall) MII Or	EU RoHS Compliand	ce Date (mm/dd/yyy	y): 04/0	1/2005		
CA Prop 65 (CJ for Wire & Cable): Yes Mil Order #39 (China RoHS): Yes UL Flame Test: UL1685 FT4 Loading CSA Flame Test: FT4 Vienum/Non-Plenum Plenum (YiN): Plenum Number: 82506 tectrical Characteristics (Overall) Ion Decentration Coperatione Conductor to Conductor: Capacitance (pF/m) 88.3 Ion Ion Capacitance (pF/m) 164.05 Ion Ion Pacitance Conductor & Shield: Capacitance (pF/m) Ion 164.05 Ion Ion Pacitance (pF/m) 164.05 Ion Ion Ion Ion Ion Ion Ion 164.05 Ion Ion Ion Ion Ion 166 Ion Ion Ion Ion Ion 167.05 Ion Ion Ion Ion Ion Ion	EU Directive 2002/96	6/EC (WEEE):	Yes			
Mil Order #39 (China RoHS): Yes 'lame Test: UL 1685 FT4 Loading CSA Flame Test: FT4 'lame Test: State Content (Content (Cont	EU Directive 2003/11	1/EC (BFR):	Yes			
UL Flame Test: UL 1685 FT4 Loading CSA Flame Test: FT4 Plenum/Non-Plenum Plenum (Y/N): Plenum (Y/N): No Plenum Number: 82506 tectrical Characteristics (Overall) Image: Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance (pf/m) 204.33 Image: Conductor & Shield: Capacitance (pf/m) Image: Conductor & Conductor & Shield: Capacitance (pf/m) Image: Conductor & Conductor & Conductor: Townshield DC Resistance: Image: Conductor & Conductor: DCR @ 20°C (Omm/km) Image: Conductor & Conductor: State Conductor & Conductor & Conductor: State Conductor & Conductor & Conductor: State Conductor & Conductor & Conductor: <	CA Prop 65 (CJ for V	Nire & Cable):	Yes			
UL Fame Test: UL 1685 FT4 Loading CSA Flame Test: FT4 Plenum/Non-Plenum No Plenum (V/N): No Plenum Number: 82506 tectrical Characteristics (Overall) Social Conductor to Conductor: Capacitance Conductor to Conductor: Capacitance (pF/m) 98-43 Social Conductor of Conductor & Shield: Capacitance (pF/m) Social Conductor of Propagation: VP (%) O 90 Social Conductor DC Resistance: DCR @ 20°C (Ohm/km) Social Conductor (Conductor) Social Conductor Shield DC Resistance: Social Conductor (Conductor) DCR @ 20°C (Ohm/km) Social Conductor) Social Conductor (Conductor) Social Conductor) Social Conductor) Social Conductor) Social Conductor) Social Conductor)	MII Order #39 (China	a RoHS):	Yes			
CSA Flame Test: FT4 Plenum/Non-Plenum Plenum (V/N): No Plenum Number: 82506 Idectrical Characteristics (Overall) Iom. Capacitance Conductor to Conductor: Capacitance (pF/m) 98.43 Iom. Capacitance cond. to Other Conductor & Shield: Capacitance (pF/m) 164.05 Iom. Capacitance (pF/m) 164.05 Iom. Conductor DC Resistance: VP (%) Iom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 78.744 Iomalial Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 78.744 Iomalial Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 78.744 Iomalial Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 78.744 Iomalial Outer Shield Current: Vitage 200 V rMS Hax. Recommended Current: Current 1.5 Amps per conductor @ 25°C	lame Test					
Plenum/Non-Plenum Plenum (Y/N): No Plenum Number: 82506 Identification of the second of the sec	UL Flame Test:		UL16	685 FT4 Loading		
Plenum (Y/N): No Plenum Number: 82506 Boot Colspan="2">Boot Colspan="2"Boot Colspan="2"Boot Colspan="2">Boot Colspan= 2"Boot Colspan="2"B	CSA Flame Test:		FT4			
Plenum Number: 82506 electrical Characteristics (Overall) kom. Capacitance (pF/m) g8.43 kom. Capacitance (pF/m) g8.43 kom. Capacitance (pF/m) ited.of	Plenum/Non-Plenum					
Idectrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 198.43 Nom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/m) 104.05 Iominal Velocity of Propagation: VP (%) Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 78.744 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 52.496 Max. Operating Voltage - UL: Voltage 300 V RMS Nax. Recommended Current: Current 1.5 Amps per conductor @ 25°C ut Ups and Colors:	Plenum (Y/N):		No			
98.43 Nom. Capacitance Cond. to Other Conductor & Shield: Capacitance (pF/m) 164.05 Nominal Velocity of Propagation: VP (%) 60 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 78.744 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 52.496 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 1.5 Amps per conductor @ 25°C ut Ups and Colors:	Plenum Number:		8250	6		
Voltage 300 V RMS Max. Recommended Current: Current 1.5 Amps per conductor @ 25°C ut Ups and Colors:	98.43 Iom. Capacitance Cond Capacitance (pF/m) 164.05 Iominal Velocity of Prop VP (%) 60 Iom. Conductor DC Res DCR @ 20°C (Ohm/km) 78.744 Iominal Outer Shield DC DCR @ 20°C (Ohm/km)	pagation: sistance:	or & Shield:			
ut Ups and Colors:	Voltage 300 V RMS Max. Recommended Cur Current	rrent:				
tem # Putup Ship Weight Color Notes Item Desc						

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

9506 Multi-Conductor - Computer Cable for EIA RS-232 Applications

9506 060U1000	305 MT	20.865 KG	CHROME		6 PR #24 PVC FS PVC
9506 060U500	152 MT	10.659 KG	CHROME		6 PR #24 PVC FS PVC
9506 060100	30 MT	2.313 KG	CHROME		6 PR #24 PVC FS PVC
9506 0601000	305 MT	21.319 KG	CHROME	С	6 PR #24 PVC FS PVC
9506 060500	152 MT	11.340 KG	CHROME	С	6 PR #24 PVC FS PVC
9506 0605000	1,524 MT	111.131 KG	CHROME	С	6 PR #24 PVC FS PVC

Notes:

C = CRATE REEL PUT-UP.

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