# **Detailed Specifications & Technical Data**



ENGLISH MEASUREMENT VERSION

## 9493 Triad - 300V Power-Limited Tray Cable



For more Information please call

1-800-Belden1



### **General Description:**

18 AWG triads stranded (19x30) tinned copper conductors, twisted triads, PVC insulation, unshielded, PVC jacket.

Concernence         3           Table Mode Stranding Conductor Marinal 1         3           Table Mode of Conductors         3           Table Mode of Conductors         3           Table Mode and Marinal 1         Mode Marinal 1           Mode Stranding Marinal 1         Mode Stranding Marinal 1           Mode Strand Stranding Marinal 1         Mode Strandin	, · · · ·	
Witzer       S         Image: Source Conductor Material       Source Conductor Material         Image: Source Conductor Material       Y         Image: Source Conductor Material       Source Conductor Material	Physical Characteristics (Overall)	
1         10         10/200           Tel Number of Conductors:         3           Impaided Material:         1           Impaided Material:         1           Impaided Material:         10/17           Outer Sheld Material:         10/17           Impaided Material:         10/17           Impaided Material:         10/17           Outer Sheld Material:         10/17           Impaided Material:         10/17           Impaided Material:         10/17           Outer Sheld Material:         10/17           Impaided Material:         10/17           Outer Jackt Material:         10/17           Outer Jackt Material:         10/17           Impaided Material:         10/17           Outer Jackt Ripcort:         Yes           Outer Jackt Ripcort:         Yes           Outer Jackt Ripcort:         10/17           Moniaol Immeter         30/10 /1           Material:         10/17           Moniaol Immeter         30/10 /1		
Insulation Insulation Material Insulation Material Vall Thickness (ns) V-C - Roywys Chancia [0:017 Insulation Code Coac Insulation Code Coac Insula		
Insulation Material         Waterial Waterial         Waterial Waterial           Insulation Code Code Chart:         Insulation Code Code Chart:           Number Code Code Chart:         Insulation Waterial           Outer Shald Material:         Under Shald Material:           Under Shald Material:         Under Shald Material:           Under Shald Material:         Under Shald Material:           Under Shald Material:         Vers           Outer Shald Material:         0.242 in.           Outer Shald Vers         Signo bertooont.           Material:         Signo bertooot.           Material:         Signo bertooot.           Material:         Code: Characterial:           Outer Shald Vers         Signo bertooot.           Material:         Code: Characterial:           Outer Shald Vers </th <th>Total Number of Conductors:</th> <th>3</th>	Total Number of Conductors:	3
wildlich National 2007         Number Color         1       Black Whee K Red         Outer Sheld Material:         Outer Sheld Material:         Outer Jacket Rippord:       Ves         Veral Nominal Dameter:       0.242 in.         Material:       Some Dameter Sheld	Insulation	
PrC - Polyvinyt Chloride 10.017         Image: Color Colo		
Number Color         Number Color         Outror Shield Material         Outror Jacket Material         Non Been Matus Minor Atis:         2 400 in         Outror Staterial Standards & Environmental Programs         Material Standards & Environmental Programs		
Outer Shield Material:         Use Shield Material:           Outer Jacket Material:         Superstrike Material:           Outer Jacket Material:         Superstrike Material:           Outer Jacket Material:         Ves           Outer Jacket Ripcord:         Ves           Over Jacket Ripcord:         0.242 in.           Over Jacket Ripcord:         0.242 in.           Over Jacket Ripcord:         0.242 in.           Ves         0.242 in.           Max Recommended Pulling Tension:         0.240 in.           Amax Recommended Pulling Tension:         240 in.           Applicable Specifications and Agency Compliance (Over Jacket Ripcord)         Min. Bend Radius/Minor Axis:           PUICable Specification:         CMG, ITC-ER, PLTC-ER           CEC/CUL Specification:         CMG           MVM Specification:         Ves           EU Directive 20019/SIEC (Rel SI):         Yes           EU Directive 20019	Number Color	
Outer Shield Material:         Use Shield Material:           Outer Jacket Material:         Superstrike Material:           Outer Jacket Material:         Superstrike Material:           Outer Jacket Material:         Ves           Outer Jacket Ripcord:         Ves           Over Jacket Ripcord:         0.242 in.           Over Jacket Ripcord:         0.242 in.           Over Jacket Ripcord:         0.242 in.           Ves         0.242 in.           Max Recommended Pulling Tension:         0.240 in.           Amax Recommended Pulling Tension:         240 in.           Applicable Specifications and Agency Compliance (Over Jacket Ripcord)         Min. Bend Radius/Minor Axis:           PUICable Specification:         CMG, ITC-ER, PLTC-ER           CEC/CUL Specification:         CMG           MVM Specification:         Ves           EU Directive 20019/SIEC (Rel SI):         Yes           EU Directive 20019	Outer Shield	
Unshelded           Outer Jackt Material:           Outer Jackt Ripcord:           Verail Nominal Diameter:           Outer Jackt Ripcord:           Overail Nominal Diameter:		
Outer Jacket Material         Outer Jacket Material         Minikall Thickness (in.)           PVC - Polyving Chloride         037           Outer Jacket Ripcord:         Yes           Outer Jacket Ripcord:         0.242 in.           Overall Cable         0.242 in.           Overall Characteristics (Overall)         0.242 in.           Max. Recommended Pulling Tension:         30°C To +105°C           Bulk Cable Weight:         35.900 lbs/1000 ft.           Max. Recommended Pulling Tension:         39 lbs.           Min. Bend Radius/Minor Axis:         2.400 in.           Applicable Specifications and Agency Compliance (Overall)         CEC0(UL) Specification:           VEC/UL) Specification:         CM6, ITC-ER, PLTC-ER           CEC0(UL) Specification:         CM6 (SCC)           EU Directive 2011/65/EU (ROHS II):         Yes           EU Directive 2001/53/EC (ELV):         Yes           EU Directive 2001/53/EC (ROHS):         Yes           EU Directive 2002/55/EC (ROHS):         Yes		
Outer Jacket Material Nom. Wall Thickness (in)           PVC - Polyvinyl Chloride 0337           Outer Jacket Ripcord:         Yes           Overall Cable         0.242 in.           Overall Characteristics (Overall)         0.242 in.           Øperating Temperature Range:         -30°C To +105°C           Buik Cable Weight:         35 900 bs/1000 ft.           Max. Recommended Pulling Tension:         39 lbs.           Min. Bend Radius/Minor Axis:         2.400 in.           Applicable Specifications and Agency Compliance (Overall)         Applicable Sterification:           Applicable Specification:         CMG           AWM Specification:         CMG           AWM Specification:         U. Style 2464 (300 V 80°C)           EU Directive 2011/65/EU (ROHS II):         Yes           EU Directive 2003/53/EC (ELV):         Yes           EU Directive 2003/53/EC (ELV):         Yes           EU Directive 2003/53/EC (ELV):         Yes           EU Directive 2003/53/EC (ROHS):         Yes           EU Directive 2003/53/EC (ROHS):         Yes           EU Directive 2003/54/EC (ROFR):         Yes           EU Directive 2003/54/EC (ROFR):         Yes           EU Directive 2003/54/EC (ROFR):         Yes		
Overall Rominal Diameter:         0.242 in.           Mechanical Characteristics (Overall)	Outer Jacket Material Nom. Wall Thickness (in.)	
Overall Nominal Diameter:0.242 in.Bound Contracteristics (Overall)Operating Temperature Range:-30°C To +105°CBuik Cable Weight:35.900 lbs/1000 ft.Max. Recommended Pulling Tension:39 lbs.Min. Bend Radius/Minor Axis:2.400 in.Colspan="2">Colspan="2"Colspan="2"<	Outer Jacket Ripcord:	Yes
Mechanical Characteristics (Overall)           Operating Temperature Range:         -30°C To +105°C           Bulk Cable Weight:         35.900 lbs/1000 ft.           Max. Recommended Pulling Tension:         39 lbs.           Min. Bend Radius/Minor Axis:         2400 in.           Applicable Specifications and Agency Compliance (Overall)         Applicable Standards & Environmental Programs           NEC/(UL) Specification:         CMG, ITC-ER, PLTC-ER           CEC/C(UL) Specification:         CMG           AWM Specification:         UL Style 2464 (300 V 80°C)           EU Directive 2011/65/EU (ROHS II):         Yes           EU Directive 2002/95/EC (ELV):         Yes           EU Directive 2002/95/EC (RoHS):         Yes           EU Directive 2002/95/EC (WEEE):         Yes           EU Directive 2002/95/EC (WEEE):         Yes           EU Directive 2002/95/EC (WEEE):         Yes	Overall Cable	
Operating Temperature Range:         -30°C To +105°C           Bulk Cable Weight:         35,000 lbs/1000 ft.           Max. Recommended Pulling Tension:         39 lbs.           Min. Bend Radius/Minor Axis:         2.400 in.           Applications and Agency Compliance (Uverall)           Add on in.           Applicable Specifications and Agency Compliance (Uverall)           Applicable Standards & Environmental Programs           NEC/(UL) Specification:           CMG           CMG           AVMM Specification:           CMG           AVMM Specification:           CMG           AVMM Specification:           CMG           EU Directive 2001/53/EC (ELV):           Yes           EU Directive 2002/55/EC (RoHS):           Yes           EU Directive 2002/55/EC (WEEE):           Yes           EU Directive 2003/51/LC (BFR):           Yes	Overall Nominal Diameter:	0.242 in.
Bulk Cable Weight:       35.900 lbs/1000 ft.         Max. Recommended Pulling Tension:       39 lbs.         Min. Bend Radius/Minor Axis:       2.400 in.         Applicable Specifications and Agency Compliance (Overall)         Applicable Standards & Environmental Programs         NEC/(UL) Specification:       CMG, ITC-ER, PLTC-ER         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 (RoHS):       Yes         EU Directive 2002/95/EC (WEEE):       Yes         EU Directive 2002/95/EC (WEEE):       Yes	Mechanical Characteristics (Overall)	
Max. Recommended Pulling Tension:       39 lbs.         Min. Bend Radius/Minor Axis:       2.400 in.         Applicable Specifications and Agency Compliance (Overall)         Applicable Standards & Environmental Programs         NEC/(UL) Specification:       CMG, ITC-ER, PLTC-ER         CEC/C(UL) Specification:       CMG         VEC/(UL) Specification:       CMG         VEC/(UL) Specification:       CMG         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 2000/54/EC (WEEE):       Yes         EU Directive 2002/96/EC (WEEE):       Yes         EU Directive 2002/96/EC (WEEE):       Yes	Operating Temperature Range:	-30°C To +105°C
Min. Bend Radius/Minor Axis:       2.400 in.         Applicable Specifications and Agency Compliance (Overall)         Applicable Standards & Environmental Programs         NEC/(UL) Specification:       CMG, ITC-ER, PLTC-ER         CEC/C(UL) Specification:       CMG         AVM 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 Directive 2002/95/EC (WEEE):       04/01/2005         EU Directive 2002/96/EC (WEEE):       Yes	Bulk Cable Weight:	35.900 lbs/1000 ft.
Applicable Specifications and Agency Compliance (Overall)         Applicable Standards & Environmental Programs         NEC/(UL) Specification:       CMG, ITC-ER, PLTC-ER         CEC/C(UL) Specification:       CMG         AWM Specification:       UL Style 2464 (300 V 80°C)         EU Directive 2011/65/EU (ROHS II):       Yes         EU Directive 2000/53/EC (ELV):       Yes         EU Directive 2000/53/EC (ROHS):       Yes         EU Directive 2002/95/EC (ROHS):       Yes         EU Directive 2002/95/EC (WEEE):       Yes         EU Directive 2002/96/EC (WEEE):       Yes         EU Directive 2002/96/EC (WEEE):       Yes	Max. Recommended Pulling Tension:	39 lbs.
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NEC/(UL) Specification:CMG, ITC-ER, PLTC-ERCEC/C(UL) Specification:CMGAWM Specification:UL Style 2464 (300 V 80°C)EU Directive 2011/65/EU (ROHS II):YesEU Directive 2011/65/EU (ROHS II):YesEU Directive 2000/53/EC (ELV):YesEU Directive 2000/53/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):Yes	Applicable Specifications and Agency Compliance (	Overall)
CEC/C(UL) Specification:CMGAWM Specification:UL Style 2464 (300 V 80°C)EU Directive 2011/65/EU (ROHS II):YesEU CE Mark:YesEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):Yes	Applicable Standards & Environmental Programs	
AWM Specification:UL Style 2464 (300 V 80°C)EU Directive 2011/65/EU (ROHS II):YesEU CE Mark:YesEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (RoHS):YesEU Directive 2002/95/EC (WEEE):YesEU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):Yes	NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
EU Directive 2011/65/EU (ROHS II):YesEU CE Mark:YesEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU RoHS Compliance Date (mm/dd/yyyy):04/01/2005EU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):Yes	CEC/C(UL) Specification:	CMG
EU CE Mark:YesEU Directive 2000/53/EC (ELV):YesEU Directive 2002/95/EC (RoHS):YesEU RoHS Compliance Date (mm/dd/yyyy):04/01/2005EU Directive 2002/96/EC (WEEE):YesEU Directive 2003/11/EC (BFR):Yes	AWM Specification:	UL Style 2464 (300 V 80°C)
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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	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	EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/96/EC (WEEE):         Yes           EU Directive 2003/11/EC (BFR):         Yes	EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2003/11/EC (BFR): Yes	EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
	EU Directive 2002/96/EC (WEEE):	Yes
CA Pron 65 (C.) for Wire & Cable): Yes	EU Directive 2003/11/EC (BFR):	Yes
	CA Prop 65 (CJ for Wire & Cable):	Yes

## **Detailed Specifications & Technical Data**

#### ENGLISH MEASUREMENT VERSION



### 9493 Triad - 300V Power-Limited Tray Cable

MII Order #39 (China RoHS):	Yes	
Flame Test		
UL Flame Test:	UL1685 UL Loading	
CSA Flame Test:	FT4	
IEEE Flame Test:	1202	
Suitability		
Suitability - Burial:	Yes	
Sunlight Resistance:	Yes	
Plenum/Non-Plenum		
Plenum (Y/N):	No	

#### Surface Printing (Overall)

#### **Electrical Characteristics (Overall)**

No	om. Inductan	ce:		
	Inductance	(µH/ft)		
	.15			
No	om. Capacita	nce Condu	ctor to Co	nductor:
	Capacitance	e (pF/ft)		
	31.8			
No	om. Conduct	or DC Resi	stance:	
	DCR @ 20°	C (Ohm/100	00 ft)	
	5.96			
Ма	ax. Operating	Voltage -	UL:	
	Voltage	Descriptio	n	
	300 V RMS	PLTC, CM	G	
	150 V RMS	ITC		

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9493 060U1000	1,000 FT	38.000 LB	CHROME		3 #18 PVC PVC
9493 060U500	500 FT	20.000 LB	CHROME		3 #18 PVC PVC
9493 0602500	2,500 FT	97.500 LB	CHROME	Z	3 #18 PVC PVC
9493 0605000	5,000 FT	195.000 LB	CHROME	Z	3 #18 PVC PVC

Notes: 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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