## **Detailed Specifications & Technical Data**



ENGLISH MEASUREMENT VERSION

### 1032A Multi-Conductor - 300V Power-Limited Tray Cable



For more Information please call

1-800-Belden1



#### **General Description:**

18 AWG pairs stranded (7x26) bare copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Physical Characteristics (Overall)		
Conductor		
AWG:		
# Pairs         AWG         Stranding         Conductor         Material           1         18         7x26         BC - Bare Copper		
Total Number of Conductors:	2	
Insulation Insulation Material:		
Insulation Material         Wall Thickness (in.)           PVC - Polyvinyl Chloride         0.016		
Insulation Color Code Chart:		
Number         Color           1         Black & White		
Outer Shield Outer Shield Material:		
Outer Shield Trade Name Type Outer Shield Material	Coverage (%)	
Beldfoil® Tape Aluminum Foil-Polyester Tap	pe 100	
Outer Shield Drain Wire AWG:		
AWG         Stranding         Drain Wire Conductor Material           20         7x28         TC - Tinned Copper		
Outer Jacket		
Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (in.)		
Outer Jacket Material Nom. Wall Thickness (in.) PVC - Polyvinyl Chloride .037		
Outer Jacket Ripcord:	Yes	
Overall Cable		
Overall Nominal Diameter:	0.233 in.	
Mechanical Characteristics (Overall)		
Operating Temperature Range:	-30°C To +105°C	
Bulk Cable Weight:	32.500 lbs/1000 ft.	
Max. Recommended Pulling Tension:	26 lbs.	
Min. Bend Radius/Minor Axis:	2.300 in.	
Applicable Specifications and Agency Complianc	e (Overall)	
Applicable Standards & Environmental Programs		
NEC/(UL) Specification:	CMG, ITC, PLTC	
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	

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EU Drache 2003/11/C (JERR):         Yes           MI Char 47 30 (Lina Rolfs):         Yes           MI Char 47 30 (Lina Rolfs):         Yes           Flame Test:         UL188 UL Loading           GSA Finan Test:         UL188 UL Loading           GSA Finan Test:         UL188 UL Loading           Stability         Stability           Build III - Statistics:         Yes           Build III - Statistics:         Yes           Plemum (Ynt):         No           Statistics:         No           Nom. Statistics:         No           Statistics:         No           Statistics:         Statistics:           Statistics:         S						
MI Order #38 (China RoHS):         Yes           Flame Test:         UL1685 ULLoading           GSA Flame Test:         TF4           GEA Flame Test:         1202           Stutiability         1202           Stutiability         No           Stutiability         No           Stutiability         No           Stutiability Control         Penum Y(N):           Plenum Y(N):         No           Stutiability Flamma         No           Nom. Capacitance Conductor to Conductor:         Statiance:           Statiance Conductor to Conductor & Shield:         Statiance:           Statiance Conductor DC Resistance:         Statiance:	EU Directive 2003/11/EC (BFR):	Yes				
File       UL 1085 UL Loading         LER Fine Test:       UL 1085 UL Loading         LER Fine Test:       1202         Suitability       1202         Suitability       UL 1085 UL Loading         Suitability       1202         Suitability       Version         Suitability       No         Suitability       Version         Plenum (YM):       No         Suitability       No         Plenum (YM):       No         No       No         No       No         Suitability       No         No       No         Suitability       No         No       No         No       No         Suitability       No         No       No         Suitability       No         Suitability       No         No       No         Suitability       No         Suitability       No         Suitability       Suitability         No       No         Suitability       Suitability         No       Suitability         Suitability       Suitability         Suitability	CA Prop 65 (CJ for Wire & Cable):	A Prop 65 (CJ for Wire & Cable): Yes				
ul. Rame Test:         Ul. 1080 UL. Loading           GSA Flame Test:         FT4           galance Test:         1020           sublity - Burnial         No           Sunlight Resistance:         Yes           Permum (YM):         No           Surfactore Control         No           No         No           Surfactore Control         No           No         No           Surfactore Conductor to Conductor No         No           Surfactore Confluctor to Conductor & Sheld:         Surfactore Confluctor to Conductor & Sheld:           Surfactore Confluctor to Conductor & Sheld:         Surfactore Confluctor to Conductor & Sheld:           Surfactore Confluctor De Resistance:         Surfactore Confluctor to Conductor & Sheld:           Surfactore Confluctor De Resistance:         Surfactore Confluctor De Resistance:           Surfactore Confluctor De Resistance:         Surfactore Confluctor De Resistance:           Surfactore Confluctore De Resistance:         Surfactore Confluctore De Resistance:           Surfactore Confluctore De Resistance:         Surfactore De Resistance:	MII Order #39 (China RoHS):	Yes				
SA Flame Test:       FT4         IEEE Flame Test:       1202         Suitability       No         Suitability Resistance:       Yes         Plenum (Yin):       No         Surfactor E Printing (Overall)       No         Nom. Inductance (JHTM)       No         Nom. Capacitance (PFM)       No         Nom. Conductor DC Resistance:       DCR @ 20°C (Ohm1000 ft)         Safe       Nome Notescription Solution Soluti	Flame Test					
IEEE Flame Test:         1202           Suitability         No           Suitability - Burial:         No           Suitability - Burial:         Yes           Plenum/Non-Plenum         Plenum (YN):           Plenum (YN):         No           Suitability - Burial:         No           Suitability - Burial:         No           Plenum (Yon-Plenum         Plenum (YN):           Suitability - Burial:         No           Suitability - Burial:         Suitability - Burial:           Suitabilititititititititititititititititititi	UL Flame Test:	UL1685 UL Loading				
Suitability       No         Sunlaph Resistance:       Yes         Penum/Non-Plenum       No         Plenum/YM0Plenum       No         Sundactance (Overall)       No         Sundactance (Jiff)[1]       Nom. Inductance:         Inductance (Jiff)[1]       Nom. Capacitance (Or fiff)[1]         Nom. Capacitance (Or fiff)[5]       Nom. Capacitance (Or fiff)[5]         Nom. Capacitance (Or fiff)[5]       Nom. Capacitance (Def fiff)[5]         Nom. Conductor & Shield:       Section (State Conductor & Shield:         Section (State Conductor fiff)[5]       Nom. Capacitance (Def fiff)[5]         Nom. Conductor Dr Resistance:       DCR @ 20°C (Omm/1000 fif)[5]         Signame       Nom (State Julie)         Signame       Nom. Capacitance (Def fiff)[5]         Nom. Capacitance (Def fiff)[5]       Nom. Capacitance (Def fiff)[5]         Nom. Capacitance (Def fiff)[5]       Nom. Capacitance (Def fiff)[5]         Nom. Capacitance (Def fiff)[5]       Nom. Capacitance (Def fiff)[5]	CSA Flame Test:	FT4				
Suitability - Burial:         No           Sungist Resistance:         Yes           Plenum (YA):         No           Plenum (YA):         No           Surfact Resistance:         No           Surfact Resistance:         No           Nom. Inductance (PHM)         Inductance (PHM)           Nom. Supplement of Conductors:         Surfactance (PHM)           Surfactance (PHM)         Surfactance (PHM)           Nom. Capacitance Conductor to Conductors:         Surfactance (PHM)           Surfactance (PHM)         Surfactance (PHM)           Nom. Capacitance Conductor & Shield:         Surfactance (PHM)           Surfactance (PHM)         Surfactance (PHM)           Nom. Capacitance Conductor & Shield:         Surfactance (PHM)           Surfactance (PHM)         Surfactance (PHM)           Nom. Capacitance Conductor & Shield:         Surfactance (PHM)           Surfactance (PHM)         Surfactance (PHM)           Nom. Conductor De Resistance:         Surfactance (PHM)           Surfactance (PHM)         Surfactanc	IEEE Flame Test:	1202				
Sunligh Resistance:         Yes           Plenum (YN):         No           Surface Printing (Overall)         No           Electrical Characteristics (Overall)         Nom. Inductance:           Inductance (µff)         19           Nom. Capacitance (pff)         51           51         51           Nom. Capacitance (pff)         53           58         56           Nom. Capacitance (pff)         53           53         53           Nom. Conductor DC Resistance:         50           DCR:         20 (Dm/1000 ft)           5.07         50           Nominal Outer Shield DC Resistance:         50           DCR:         20 (Dm/1000 ft)           5.07         50           Max. Operating Voltage - UL:         Voltage Description           300 V RMS [PLTC. CMG]         50           Max. Recommended Current:         Electrical Current           Barps per conductor @ 25°C         50°C	Suitability					
Plenum (Yn):       No         Surface Printing (Overall)       Surface Printing (Overall)         Electrical Characteristics (Overall)       Nom. Inductance:         Inductance (piff)       13         Surface Conductor to Conductor:       Capacitance (piff)         Surface Conductor to Conductor & Shield:       Capacitance (piff)         Surface (piff)       5         Nom. Capacitance (piff)       5         Nom. Capacitance (piff)       5         Nom. Conductor DC Resistance:       Capacitance (piff)         Nom. Conductor DC Resistance:       Capacitance (piff)         Nom. Conductor DC Resistance:       Capacitance (piff)         Surface 20°C (Ohm/1000 ft)       5.07         Nax. Operating Voltage - UL:       Voltage Description         Max. Recommende Current:       Capacitance (Current)         Max. Recommende Current:       Current         B Amps per conductor @ 25°C       Surface	Suitability - Burial:	No				
Plenum (VN):         No           Surface Printing (Overall)	Sunlight Resistance:	Yes				
Surface Printing (Overall) Electrical Characteristics (Overall) Nom. Inductance: Inductance (µHift) 19 Nom. Capacitance (ordination of the conductor to Conductor: Capacitance (pFift) 51 Nom. Capacitance (pFift) 55 Nom. Capacitance (PFift) 5.86 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.86 Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 5.07 Max. Operating Voltage - UL: Voltage Description 500 V RMs ITC Max. Recommended Current: Curront B Amps per conductor @ 25°C	Plenum/Non-Plenum					
Nom. Inductance:         Inductance (µH/f)         10         Nom. Capacitance Conductor to Conductor:         Capacitance (pF/f)         51         Nom. Capacitance (pF/f)         95         Nom. Capacitance (pF/f)         95         Nom. Capacitance (pF/f)         95         Nom. Capacitance (pF/f)         95         Nom. Conductor DC Resistance:         DCR @ 20°C (Ohm/1000 f)         5.86         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 f)         5.07         Max. Operating Voltage - UL:         Voltage       Description         300 V RMS       P.T.C. CMG         150 V RMS       ITC         Max. Recommended Current:       Current         B Amps per conductor @ 25°C	Plenum (Y/N):	No				
Nom. Inductance:         Inductance (µH/f)         10         Nom. Capacitance Conductor to Conductor:         Capacitance (pF/f)         51         Nom. Capacitance (pF/f)         95         Nom. Capacitance (pF/f)         95         Nom. Capacitance (pF/f)         95         Nom. Capacitance (pF/f)         95         Nom. Conductor DC Resistance:         DCR @ 20°C (Ohm/1000 f)         5.86         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 f)         5.07         Max. Operating Voltage - UL:         Voltage       Description         300 V RMS       P.T.C. CMG         150 V RMS       ITC         Max. Recommended Current:       Current         B Amps per conductor @ 25°C	Surface Printing (Overall)					
Nom. Inductance:         Inductance (µF/ft)         Nom. Capacitance Conductor to Conductor:         Capacitance (pF/ft)         51         Solution (pF/ft)         95         Nom. Capacitance (pF/ft)         95         Nom. Capacitance (pF/ft)         95         Nom. Capacitance (pF/ft)         95         Nom. Capacitance (pF/ft)         95         Nom. Conductor DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         5.86         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         5.07         Nature Voltage         Max. Recommended Current:         Voltage         BAmps per conductor @ 25°C						
Inductance (µH/t)   19   Nom. Capacitance (pF/t)   51   Nom. Capacitance (onductor & Shield:   Capacitance (pF/t)   95   Nom. Conductor DC Resistance:   DCR @ 20°C (Ohm/1000 ft)   5.07   Nature Voltage - UL:   Voltage Description   300 V RMS PLTC, CMG   150 V RMS PLTC, CMG						
.19         Nom. Capacitance Conductor to Conductor:         Capacitance (pF/ft)         51         Nom. Capacitance (pF/ft)         95         Nom. Conductor DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         5.86         Nomial Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         5.07         Max. Operating Voltage - UL:         Voltage Description         300 V RMS PLTC, CMG         150 V RMS ITC         Max. Recommended Current:         B Amps per conductor @ 25°C						
Capacitance (pF/ff)   51   Nom. Capacitance cond. to Other Conductor & Shield:   Capacitance (pF/ff)   95   Som. Conductor DC Resistance:   DCR @ 20°C (Ohm/1000 ft)   5.86   Nominal Outer Shield DC Resistance:   DCR @ 20°C (Ohm/1000 ft)   5.07   Max. Operating Voltage - UL:   Voltage   Voltage   Description   300 V RMS   PLTC, CMG   150 V RMS   PLTC, CMG   Amps per conductor @ 25°C						
51         Nom. Capacitance (pF/ft)         55         Nom. Conductor DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         5.86         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         5.07         Max. Operating Voltage - UL:         Voltage       Description         300 V RMS       PLTC, CMG         150 V RMS       ITC         Max. Recommended Current:         Current         B Amps per conductor @ 25°C	Nom. Capacitance Conductor to Conductor:					
Capacitance (pF/ft)   95   Nom. Conductor DC Resistance:   DCR @ 20°C (Ohm/1000 ft)   5.86   Nominal Outer Shield DC Resistance:   DCR @ 20°C (Ohm/1000 ft)   5.07   Max. Operating Voltage - UL:   Voltage   Description   300 V RMS   PLTC, CMG   150 V RMS   ITC   Max. Recommended Current:   Current   8 Amps per conductor @ 25°C						
95         Nom. Conductor DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         5.86         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         5.07         Max. Operating Voltage - UL:         Voltage       Description         300 V RMS       PLTC, CMG         150 V RMS       ITC         Max. Recommended Current:       Eurent         8 Amps per conductor @ 25°C	Nom. Capacitance Cond. to Other Conductor & Shield:					
DCR @ 20°C (Ohm/1000 ft)   5.86   Nominal Outer Shield DC Resistance:   DCR @ 20°C (Ohm/1000 ft)   5.07   5.07   Max. Operating Voltage - UL:   Voltage   Description   300 V RMS   PLTC, CMG   150 V RMS   ITC   Max. Recommended Current:   Current   8 Amps per conductor @ 25°C						
5.86         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         5.07         Max. Operating Voltage - UL:         Voltage       Description         300 V RMS       PLTC, CMG         150 V RMS       ITC         Max. Recommended Current:       Current         8 Amps per conductor @ 25°C	Nom. Conductor DC Resistance:					
DCR @ 20°C (Ohm/1000 ft)         5.07         Max. Operating Voltage - UL:         Voltage       Description         300 V RMS       PLTC, CMG         150 V RMS       ITC         Max. Recommended Current:       Current         8 Amps per conductor @ 25°C						
5.07         Max. Operating Voltage - UL:         Voltage       Description         300 V RMS       PLTC, CMG         150 V RMS       ITC         Max. Recommended Current:       Current         8 Amps per conductor @ 25°C	Nominal Outer Shield DC Resistance:					
Voltage     Description       300 V RMS     PLTC, CMG       150 V RMS     ITC   Max. Recommended Current:       Current       8 Amps per conductor @ 25°C						
Voltage     Description       300 V RMS     PLTC, CMG       150 V RMS     ITC   Max. Recommended Current:       Current       8 Amps per conductor @ 25°C	Max. Operating Voltage - UL:					
Current 8 Amps per conductor @ 25°C	Voltage         Description           300 V RMS         PLTC, CMG					
8 Amps per conductor @ 25°C	Max. Recommended Current:					
Notes (Overall)						
	Notes (Overall)					

Notes: Alternate color coding available upon request.

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1032A 0061000	1,000 FT	32.000 LB	BLUE, LIGHT	С	2 #18 PVC FS PVC
1032A 00610000	10,000 FT	350.000 LB	BLUE, LIGHT	С	2 #18 PVC FS PVC
1032A 0065000	5,000 FT	160.000 LB	BLUE, LIGHT	CZ	2 #18 PVC FS PVC
1032A 0101000	1,000 FT	32.000 LB	BLACK	С	2 #18 PVC FS PVC
1032A 01010000	10,000 FT	390.000 LB	BLACK	CZ	2 #18 PVC FS PVC

#### Notes:

Z = 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.

Revision Number: 3 Revision Date: 07-30-2013

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correct to the best of Belden's knowledge, 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 itself 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 declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.



# Authorized Distribution Brand :



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