# **Detailed Specifications & Technical Data**



ENGLISH MEASUREMENT VERSION

### 1486A Multi-Conductor - 300V Power-Limited Tray Cable



For more Information please call

1-800-Belden1



#### **General Description:**

16 AWG pairs stranded (7x24) bare copper conductors, twisted pairs, overall Beldfoil shield (100% coverage), PVC insulation, PVC jacket.

covolugo), i			•									
Physical Charac	cteristics	(Overall)	)									
Conductor												
AWG:												
# Conductors			g Conductor Material									
	12 16	7x24	BC - Bare Copper									
1	22	7x30	BC - Bare Copper									
Total Number of	of Conducto	rs:		25								
1		-										
Insulation Insulation Materia	d.											
Insulation Mat		all Thicknes	ss (in.)									
PVC - Polyviny												
		-										
Outer Shield												
Outer Shield Mate		True Orto	• Obtated Matandal	0								
	Outer Shield Trade Name Type Outer Shield Material Coverage (%)											
Beldfoil®			inum Foil-Polyester Tap									
Outer Shield Drai												
AWG Stranding Drain Wire Conductor Material												
16   7x24   TC - Tinned Copper												
Outer Jacket												
Outer Jacket Mate	erial:											
Outer Jacket M	Naterial N	om. Wall Th	ickness (in.)									
PVC - Polyviny	Chloride .0	64										
Outer Jeeket B				Yes								
Outer Jacket R	ipcora:			Tes								
Overall Cable												
Overall Nomina	I Diameter:			0.760 in.								
Pair												
Pair Color Code C	hart:											
Number	Colo	r										
1	Black	& White and	d Numbered 1									
2			d Numbered 2									
3	Black	& White and	d Numbered 3									
4			d Numbered 4									
5			d Numbered 5									
6			d Numbered 6									
7			d Numbered 7									
8			d Numbered 8									
9			d Numbered 9									
10			d Numbered 10									
11			d Numbered 11									
12			d Numbered 12									
Communication	Wire Oran	ge										
Mechanical Cha	racterist	ics (Over	all)									
Operating Tem	Operating Temperature Range:			-30°C To +105°C								
Bulk Cable Wei	aht:			355 lbs/1000 ft.								
	•			······································								

## **Detailed Specifications & Technical Data**



#### 1486A Multi-Conductor - 300V Power-Limited Tray Cable

Application:         OMG, ITC ER, PLTC-ER           CEC/CUL9 Specification:         OLMG, ITC ER, PLTC-ER           CEC/CUL9 Specification:         UL Style 2404 (300 V 105°C)           EU Directive 2011/65/EU (ROHS II):         Yes           EU Directive 2011/65/EU (ROHS II):         Yes           EU Directive 2003/95/EC (LV):         Yes           EU Directive 2003/95/EC (EV):         Yes           EU Directive 2003/95/EC (ROHS):         Yes           EU Directive 2003/95/EC (BFR):         Yes           EU Directive 2003/95/EC (BFR):         Yes           EU Directive 2003/95/EC (BFR):         Yes           MID dred 95 (Chin RoHS):         Yes           Test         Yes           MID dred 95 (Chin RoHS):         Yes           EE Flame Test:         UL 1885 F14 Loading           GA Frame Test:         UL 1885 F14 Loading           EE Flame Test:         Yes           Sunight Restance:         Yes           Test:         Yes           Sunight Restance:         Yes           Yes         Yes	Applicable Specifications and Agency Complian	nce (Overall)			
CEC/CULL Specification:         CMG           AWN Specification:         UL Style 2464 (300 V 105°C)           EU Directive 2011/65/EU (ROHS I):         Yes           EU CE Mark:         Yes           EU Directive 2005/8/EC (ROHS):         Yes           Flame Test:         UL 1885 FT4 Loading           CGA Finde Test:         1202           Sutability - Buria!         Yes           Sutability - Buria!         Yes           Plenum Y(YN):         No           Vers         Yes           Vers         Yes           Directive 2000/m0000 f1)	Applicable Standards & Environmental Programs				
AWM Specification:         UL Style 2464 (200 V 105'C)           EU Dreative 2011/65/EU (ROHS I):         Yes           EU CE Mark:         Yes           EU CE Mark:         Yes           EU Dreative 2002/95/EC (ROHS):         Yes           EU Dreative 2002/95/EC (ROHS):         Yes           EU Roht Compliance Date (mm/dd/yyyy):         Yes           EU Dreative 2002/95/EC (ROHS):         Yes           EU Dreative 2002/95/EC (ROHS):         Yes           EU Dreative 2002/95/EC (ROHS):         Yes           Fam Test:         Yes           MI Order #33 (China ROHS):         Yes           Fame Test:         UL 1885 FT4 Loading           CAR Fame Test:         Yes           Suitability:         Yes           Suitability:         Yes           Suitability:         Yes           Yes         Yes           Poerum         Yes           Poerum         Yes           Yes         Yes <th>NEC/(UL) Specification:</th> <th colspan="4">CMG, ITC-ER, PLTC-ER</th>	NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER			
EU Directive 2011/85/EU (ROHS II):         Yes           EU Directive 2000/55/EC (EUV):         Yes           EU Directive 2000/55/EC (ROHS):         Yes           EU Directive 2000/51/EC (BFR):         Yes           EU Directive 2000/51/EC (BFR):         Yes           EU Directive 2000/51/EC (BFR):         Yes           Mil Order 479 (Chin RoHS):         Yes           Flame Test:         UL 1686 FT4 Loading           CSA Flame Test:         1202           Sultability         Sultability           Sultability         Yes           Sultability         Yes           Plenum (YA):         Yes           Plenum (YA):         No           Versity         Yes           Plenum (YA):         No           Versity         Yes           Plenum (YA):         No           Versity         Sof           20 xxxxxxxxxxxxxxxxxxxxxxx	CEC/C(UL) Specification:	CMG			
EU CE Mark:         Yes           EU Directive 2002/39/EC (EUY):         Yes           EU Directive 2002/39/EC (RoHS):         Yes           EU Directive 2002/39/EC (WEEE):         Yes           EU Directive 2002/39/EC (WEEE):         Yes           EU Directive 2003/11/EC (BFR):         Yes           CA Prop 65 (Jor Wins & Cable):         Yes           MI Order #39 (China RoHS):         Yes           Tame Test:         UL 1685 FT4 Loading           CSA Flime Test:         UL 1685 FT4 Loading           MI Order #39 (China RoHS):         Yes           ELEE Flime Test:         UL 1685 FT4 Loading           CSA Flime Test:         1202           Suitability         Suitability - Surial:           Suitability - Surial:         Yes           Suitability - Surial:         Yes           Plenum/Non-Plenum         Yes           Plenum/Kitis (Overall)         No           Verder Compliance DR 2020 (Dom/1000 ft)         Yes           Suitability - Surial Commissions:         Description DR 2020 (Dom/1000 ft)           Particita Characteristics (Overall)         No           Verder G 2020 (Dom/1000 ft)         Yes           Verder G 2020 (Dom/1000 ft)         Surial Commissing Surial Commissionsi Surial Commissing Surial Commissiong Suri	AWM Specification:	UL Style 2464 (300 V 105°C)			
EU Directive 2000/5S/EC (ELV):         Yes           EU Directive 2002/58/EC (RoHS):         Yes           EU RoHS Compliance Date (mm/dd/yyyy):         04/01/2005           EU Directive 2002/58/EC (WEEE):         Yes           EU Directive 2002/58/EC (WEEE):         Yes           EU Directive 2003/11/EC (BFR):         Yes           EU Directive 2003/11/EC (BFR):         Yes           MI Order #53 (China RoHS):         Yes           UL Flame Test:         UL1685 FT4 Loading           CSA Flame Test:         UL1685 FT4 Loading           CSA Flame Test:         UL1685 FT4 Loading           EEE Flame Test:         UL1685 FT4 Loading           UK Flame Test:         Ves           Suitability - Burial:         Yes           Suitability - Burial:         Yes           Plonum/Non-Plenum         Yes           Plenum (YiN):         No           Ver         Non-Constructor DC Resistance:           Pascription DRE 2072 (Ohm/100 ft)         Interver           ISANDEC Construction DRE 2072 (Ohm/100 ft)           Pascription DRE 2072 (Ohm/100 ft)           Pascription Did DC Resistance:           Pascription DRE 202 (Ohm/100 ft)           23	EU Directive 2011/65/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           MI Order #39 (China RoHS):         Yes           Flame Test:         UL 1685 FT4 Loading           CSA Flame Test:         1202           Sutiability         Sutiability           Sutiability         Sutiability           Sutiability         Sutiability           Besite Cervinting (Overall)         Yes           Edectrical Characteristics (Overall)         No           Sutiability         Suff Sutiability           If Suff Suff Suff Suff Suff Suff Suff Su	EU CE Mark:	Yes			
EU RoHS Compliance Date (mm/dd/yyy):         04/01/2005           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 #39 (China RoHS):         Yes           UL Flame Test:         UL 1685 FT4 Loading           CSA Fiame Test:         UL 1685 FT4 Loading           EEEE Flame Test:         UL 1002           Suitability - Burial:         Yes           Suitability - Burial:         Yes           Suitability - Burial:         Yes           Non         No           Vers         No           Vers         Suitability - Burial:           Yes         Suitability - Burial:           Yes         No           Vers         Suitability - Suitability -	EU Directive 2000/53/EC (ELV):	Yes			
EU Directive 2002/96/EC (WEEE): Yes   EU Directive 2003/11/EC (BFR): Yes   CA Prop 65 (CJ for Wire & Cablo): Yes   MII Order #39 (China RoHS): Yes   UL Flame Test: UL 1685 FT4 Loading   CSA Flame Test: UL 1685 FT4 Loading   EEE Flame Test: UL 1685 FT4 Loading   IEEE Flame Test: 1202   Suitability Yes   Suitability Yes   Suitability Yes   Plenum/Non-Plenum Yes   Plenum (YiN): No   Wom. Conductor DC Resistance:   Description DCR @ 20°C (Ohm/1000 ft)   16 AWG § 367   22 AWG § 14.7   Womand Uter Shield DC Resistance:   Description UCR Resistance:   Description UCR Resistance:   Versing Suitability Consults   Versing Suitability   Non-Conductor DC Resistance:   Versing Suitability   Non-Conductor DC Resistance:   Description DCR @ 20°C (Ohm/1000 ft)   16 AWG § 367   22 AWG § 14.7   Non-Conductor Shield DC Resistance:   Description DCR @ 20°C (Ohm/1000 ft)   16 AWG § 20°C (Ohm/1000 ft)   25   26 Consultion Consult Consult	EU Directive 2002/95/EC (RoHS):	Yes			
EU Directive 2003/11/EC (BFR):         Yes           CA Prop 65 (CJ for Wire & Cable):         Yes           MII Order #39 (China RoHS):         Yes           UL Flame Test         UL 1685 FT4 Loading           CSA Flame Test:         UL 1685 FT4 Loading           GSA Flame Test:         UL 1685 FT4 Loading           Statistic         FT4           IEEE Flame Test:         1202           Suitability - Surial:         Yes           Suitability - Burial:         Yes           Suitability - Burial:         Yes           Plenum (YIN):         No           Plenum (YIN):         No           Virtace Printing (Overall)         Vers           Vominal Outer Shield DC Resistance:         Vers           Plenum (YIN):         No           Nominal Outer Shield DC Resistance:         Vers           Plenum (YiN):         No	EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005			
CA Prop 65 (CJ for Wire & Cable):         Yes           Mill Order #39 (China RoHS):         Yes           Flame Test         UL 1685 FT4 Loading           U. Flame Test:         UL 1685 FT4 Loading           CSA Flame Test:         UL 1685 FT4 Loading           GSA Flame Test:         UL 1685 FT4 Loading           GSA Flame Test:         UL 1685 FT4 Loading           GSA Flame Test:         UL 1685 FT4 Loading           Suitability -         Yes           Suitability -         Yes           Suitability -         Yes           Poly         Yes           Poly         Yes           Poly         Yes           Poly         Yes           Poly         Yes           Poly         No           Poly         Yes           Poly         No           Poly         Yes           Poly         Yes           Poly         Yes           Poly         Yes           Poly         No           Poly         Yes           Poly         Yes           Poly         Yes           Poly         Yes           Poly         Yes	EU Directive 2002/96/EC (WEEE):	Yes			
MII Order #39 (China RoHS):         Yes           Flame Test         UL 1885 FT4 Loading           CSA Flame Test:         FT4           IEEE Flame Test:         1202           Suitability         Suitability           Suitability         Yes           Sunlight Resistance:         Yes           Plenum (YAN):         No           Plenum (YAN):         No           Conductor DC Resistance:         Ves           Sundight Resistance:         Yes           Plenum (YAN):         No           Verificae Printing (Overall)         No           Conductor DC Resistance:         Ves           Verificae Origina (State Conductor)         Verificae Conductor DC Resistance:           Description DCR @ 20°C (Ohm/1000 ft)         Yes           Verifica Outer Shiel DC Resistance:         Verificae Conductor DC Resistance:           DCR @ 20°C (Ohm/1000 ft)         Yes           Yes         Yes	EU Directive 2003/11/EC (BFR):	Yes			
Flame Test         UL 1885 FT4 Loading           CSA Flame Test:         FT4           IEEE Flame Test:         1202           Suitability         Suitability           Suitability         Yes           Sunlight Resistance:         Yes           Plenum/Non-Plenum         Yes           Plenum (Y/N):         No           variate:         Yes           Suitability         No           Suterial Characteristics (Overall)         No           Sum Oracle of DC Resistance:         Versistance:           Description DCR @ 20°C (Ohm/1000 ft)         15           16 AwG 3.67         3.67           22 AwG 14.7         Sumonus           Vorman Outer Shield DC Resistance:         Versistance:           DCR @ 20°C (Ohm/1000 ft)         12.9           Wax Operating Voltage - UL:         Voltage           Voltage         3.00 V RMS	CA Prop 65 (CJ for Wire & Cable):	Yes			
UL Flame Test:         UL 1685 FT4 Loading           SX Flame Test:         FT4           IEEE Flame Test:         1202           Suitability         suitability - Burial:         Yes           Suitability - Burial:         Yes           Suitability - Burial:         Yes           Suitability - Burial:         Yes           Plenum (Y/N):         No           Plenum (Y/N):         No           Suitability - Burial:         Yes           Suitability - Burial:         Yes           Plenum (Y/N):         No           Suitability - Burial:         Yes           Suitability - Burial:         No           Suitability - Burial:         Yes           Suitability - Burial:         No           Suitability - Burial:         No           Suitability - Burial:         No           Suitability - Burial:         No           Suitability - Burial:         Suitability - Burial:           Suitability - Burial:         No           Suitability - Burial:         Suitability - Burial:           Suitability - Burial:         Suitability - Burial:           Suitability - Burial:         Suitability - Burial:           Suitability - Burial:         Suitability - Burial:<	MII Order #39 (China RoHS):	Yes			
CSA Flame Test:         FT4           IEEE Flame Test:         1202           Suitability         Suitability           Suitability         Yes           Sunlight Resistance:         Yes           Plenum/Non-Plenum         Yes           Plenum (VIN):         No           Suitability - Burial:         Yes           Plenum/Non-Plenum         No           Plenum (VIN):         No           Surface Printing (Overall)         No           Sunconductor DC Resistance:         Ves           Description DCR @ 20°C (Ohm/1000 ft)         16 AVG           12 AVG         3.67           22 AVG         14.7           Nominal Outer Shield DC Resistance:         Ves           DCR @ 20°C (Ohm/1000 ft)         2.3           Max. Operating Voltage - UL:         Voltage           300 V RMS         Surface	Flame Test				
IEEE Flame Test:         1202           Suitability         Suitability - Burial:         Yes           Sunlight Resistance:         Yes           Plenum/Non-Plenum         No           Plenum/Non-Plenum         No           suitability - Burial:         No	UL Flame Test:	UL1685 FT4 Loading			
Suitability	CSA Flame Test:	FT4			
Suitability - Burial:     Yes       Sunlight Resistance:     Yes       Plenum/Non-Plenum     No       Plenum (Y/N):     No   Exertace Printing (Overall) Exertical Characteristics	IEEE Flame Test:	1202			
Sunlight Resistance:     Yes       Plenum/Non-Plenum     No       Plenum (Y/N):     No       Sturface Printing (Overall)     No       Sturface Printing (Overall)     Starter (Starter)       Starting DCR @ 20°C (Ohm/1000 ft)     16 AWG       16 AWG     3.67       22 AWG     14.7       Nomial Outer Shield DC Resistance:       DCR @ 20°C (Ohm/1000 ft)       2.3       Wax. Operating Voltage - UL:       Voltage 300 V RMS	Suitability				
Description         DCR @ 20°C (Ohm/1000 ft)           16 AWG         3.67           22 AWG         14.7           Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)           16 JCR @ 20°C (Ohm/1000 ft)         14.7           Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)           13.9         Journal Outer Shield DC Resistance:           Voltage         300 V RMS	Suitability - Burial:	Yes			
Penum (Y/N):         No           Startace Printing (Overall)           Startace Characteristics (Overall)           Non. Conductor DC Resistance:           Description DCR @ 20°C (Ohm/1000 ft)           16 AWG         3.67           22 AWG         14.7           Noninal Outer Shield DC Resistance:           DCR @ 20°C (Ohm/1000 ft)           1.3           Watage           Watage           300 V RMS	Sunlight Resistance:	Yes			
Superating (Overall)   Subscription   DCR @ 20°C (Ohm/1000 ft)   16 AWG   3.67   22 AWG   14.7   Nominal Outer Shield DC Resistance:   DCR @ 20°C (Ohm/1000 ft)   2.9   Max. Operating Voltage - UL:   Voltage   300 V RMS	Plenum/Non-Plenum				
Clectrical Characteristics (Overall)         Nom. Conductor DC Resistance:         Description DCR @ 20°C (Ohm/1000 ft)         16 AWG       3.67         22 AWG       14.7         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         2.9         Max. Operating Voltage - UL:         Voltage         300 V RMS	Plenum (Y/N):	No			
Clectrical Characteristics (Overall)         Nom. Conductor DC Resistance:         Description DCR @ 20°C (Ohm/1000 ft)         16 AWG       3.67         22 AWG       14.7         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         2.9         Max. Operating Voltage - UL:         Voltage         300 V RMS	Surface Printing (Overall)				
Nom. Conductor DC Resistance:         Description DCR @ 20°C (Ohm/1000 ft)         16 AWG       3.67         22 AWG       14.7         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         2.9					
16 AWG       3.67         22 AWG       14.7         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         2.9         Max. Operating Voltage - UL:         Voltage         300 V RMS	Nom. Conductor DC Resistance:				
22 AWG       14.7         Nominal Outer Shield DC Resistance:         DCR @ 20°C (Ohm/1000 ft)         2.9         Max. Operating Voltage - UL:         Voltage         300 V RMS	Description DCR @ 20°C (Ohm/1000 ft)				
Nominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/1000 ft) 2.9 Max. Operating Voltage - UL: Voltage 300 V RMS					
DCR @ 20°C (Ohm/1000 ft) 2.9 Max. Operating Voltage - UL: Voltage 300 V RMS	22 AWG 14.7				
2.9 Max. Operating Voltage - UL: Voltage 300 V RMS	Nominal Outer Shield DC Resistance:				
Max. Operating Voltage - UL: Voltage 300 V RMS	DCR @ 20°C (Ohm/1000 ft)				
Voltage 300 V RMS	2.9				
300 V RMS	Max. Operating Voltage - UL:				
	Voltage				
ut Ups and Colors:	300 V RMS				
	Put Ups and Colors:				

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1486A 0105000	5,000 FT	1,970.000 LB	BLACK	CZ	12 PR #16 + 1 #22 PVC FS 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.

Revision Number: 3 Revision Date: 08-05-2016

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