



For more Information
please call

1-800-Belden1



General Description:

18 AWG pairs stranded (7x26) bare copper conductors, twisted pairs, individually shielded plus an overall Beldfoil (100% coverage), PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	24	18	7x26	BC - Bare Copper
1		22	7x30	BC - Bare Copper

Total Number of Conductors: 49

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
20	7x28	TC - Tinned Copper

Inner Shield Drain Wire Stranding: 7x28

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
18	7x26	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.8796

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 25.832 mm

Pair

Pair Color Code Chart:

Number	Color
White and Numbered 24	Black & White and Numbered 1
Communication Wire	Black & White and Numbered 2
	Black & White and Numbered 3
	Black & White and Numbered 4
	Black & White and Numbered 5
	Black & White and Numbered 6
	Black & White and Numbered 7
	Black & White and Numbered 8
	Black & White and Numbered 9
	Black & White and Numbered 10
	Black & White and Numbered 11

	Black & White and Numbered 12
	Black & White and Numbered 13
	Black & White and Numbered 14
	Black & White and Numbered 15
	Black & White and Numbered 16
	Black & White and Numbered 17
	Black & White and Numbered 18
	Black & White and Numbered 19
	Black & White and Numbered 20
	Black & White and Numbered 21
	Black & White and Numbered 22
	Black & White and Numbered 23
	Black & White and Numbered 24
	Orange

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
Bulk Cable Weight:	913.948 Kg/Km
Max. Recommended Pulling Tension:	6418.750 N
Min. Bend Radius/Minor Axis:	260.350 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification:	CMG, ITC, PLTC
CEC/C(UL) Specification:	CMG
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
Other Specification:	NEC Type PLTC Listed, which is approved for cable tray use in Class 1, Division 2, hazardous areas and non-hazardous areas, cable trays, raceways, conduit and supported by messenger wires.

Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m)
0.62339

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
167.331

Nom. Capacitance Cond. to Other Conductor & Shield:

METRIC MEASUREMENT VERSION

1480A Multi-Conductor - 300V Power-Limited Tray Cable

Capacitance (pF/m)

311.695

Nom. Conductor DC Resistance:
Description DCR @ 20°C (Ohm/km)

18 AWG	19.2267
22 AWG	48.2307

Nominal Outer Shield DC Resistance:
DCR @ 20°C (Ohm/km)

12.4678

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 33.794 Ohm/km

Max. Operating Voltage - UL:
Voltage

300 V RMS

Max. Recommended Current:
Current

2 Amps per conductor @ 25°C

Notes (Overall)

Notes: Alternate color coding available upon request.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1480A 0061000	1,000 FT	643.000 LB	BLUE, LIGHT	C	24 FS PR #18 +1 #22 PVC FS PVC
1480A 0102500	2,500 FT	1,622.500 LB	BLACK	C Z	18/24 PR PLTC IS/OS
1480A 0104100	4,100 FT	2,874.100 LB	BLACK		24 FS PR #18 +1 #22 PVC FS PVC
1480A 0104400	4,400 FT	3,044.800 LB	BLACK		24 FS PR #18 +1 #22 PVC FS PVC
1480A 0104500	4,500 FT	3,100.500 LB	BLACK		24 FS PR #18 +1 #22 PVC FS PVC
1480A 0104800	4,800 FT	3,273.600 LB	BLACK		24 FS PR #18 +1 #22 PVC FS PVC
1480A 0104900	4,900 FT	3,332.000 LB	BLACK		24 FS PR #18 +1 #22 PVC FS PVC
1480A 0105000	5,000 FT	3,480.000 LB	BLACK	C Z	24 FS PR #18 +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: 1 Revision Date: 11-04-2010

 © 2015 Belden, Inc.
 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 provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is 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.