

For more Information
please call

1-800-Belden1



Description:

18 AWG stranded (7x26) tinned copper conductors, flame-retardant polyolefin insulation, overall Beldfoil® (100% coverage) plus a tinned copper braid shield (55% coverage), sunlight resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	7x26	TC - Tinned Copper	.046

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FRPO - Flame Retardant Polyolefin	.096

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	55

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

Outer Shield Drain Wire Diameter: .038

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.324 in.

Pair

Pair Color Code Chart:

Number	Color
1	Natural
2	Blue

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +75°C

UL Temperature Rating: 75°C Dry

Bulk Cable Weight: 48 lbs/1000 ft.

Max. Recommended Pulling Tension: 85 lbs.

Min. Bend Radius (Install)/Minor Axis: 3.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CMG
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):	10/13/2005
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
PMSHA Specification:	P-MSHA-C-7K-1827

Flame Test

UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

Suitability

Sunlight Resistance:	Yes
----------------------	-----

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nominal Input Impedance:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
	1			78

Nom. Inductance:

Inductance (µH/ft)	.12
--------------------	-----

Nom. Mutual Capacitance:

Capacitance (pF/ft)	19.5
---------------------	------

Nominal Velocity of Propagation:

VP (%)	64.5
--------	------

Nominal Delay:

Delay (ns/ft)	1.58
---------------	------

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)	6.9
--------------------------	-----

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)	3.2
--------------------------	-----

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.52
10	1.98
50	3.78

100	5.35
200	7.57
400	10.7

Max. Operating Voltage - UL:

Voltage
600 V RMS (NEC Type TC)

Notes (Overall)

Notes: For CPE jacketed version order Part No. YM45044.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
MD1810 C551000	1,000 FT	69.000 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C551000	1,000 FT	69.000 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C5510000	10,000 FT	710.000 LB	BLUE, CAIRO	C N	#18 FS PR FRPP SH PVC
3072F C55250	250 FT	17.500 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C552500	2,500 FT	177.500 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC
3072F C55500	500 FT	35.000 LB	BLUE, CAIRO	C N	#18 FS PR FRPP SH PVC
3072F C555000	5,000 FT	345.000 LB	BLUE, CAIRO	C	#18 FS PR FRPP SH PVC

Notes:

C = CRATE REEL PUT-UP.

N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 06-02-2009

© 2012 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.