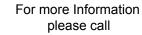
Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



27882 Multi-Conductor - 600V Teck-Style® Cables



1-800-Belden1



Description:

10 AWG stranded (7x18) bare copper conductors, 10 AWG bare copper ground wire, cross-linked polyethylene insulation, PVC inner jacket, aluminum armor, PVC outer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
20	10	7x18	BC - Bare Copper

Ground Wire

Ground Wire (Y/N):	Υ
Ground Wire AWG:	10
Ground Wire Stranding:	7x18
Ground Wire Conductor Material:	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
XLPE - Cross Linked Polyethylene	.030

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	1.06

Outer Shield

Outer Shield Material:

Outer Shield	Material
Unshielded	

Outer Jacket

Outer Jacket over Armor (y/n):

Outer Jacket over Armor

Outer Jacket Material over Armor (y/n): PVC

Armor

Armor Type:	Interlocked
Armor Material:	Aluminum
Diameter over Armor:	1.32

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



27882 Multi-Conductor - 600V Teck-Style® Cables

6	Brown
7	Red/Black
8	Blue/Black
9	Orange/Black
10	Yellow/Black
11	Brown/Black
12	Black/Red
13	Blue/Red
14	Orange/Red
15	Yellow/Red
16	Brown/Red
17	Black/Blue
18	Red/Blue
19	Orange/Blue
20	Yellow/Blue

Overall Nominal Diameter: 1.440 in.

Mechanical	Characteristics	(Overall)
-------------------	-----------------	-----------

Operating Temperature Range:	-40°C To +90°C
Wet Temperature Range:	-40°C To +90°C
Dry Temperature Range:	-40°C To +90°C
Bulk Cable Weight:	1320 lbs/1000 ft.
Max. Recommended Pulling Tension:	1600 lbs.
Min. Bend Radius (Install)/Minor Axis:	17.300 in.

MC, XHHW-2 Singles, UL1569, UL1277

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:

CSA Specification:	C22.2#131, HAZ LOC, C22.2#0.3 Clause 4.31 Low Acid Test
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
me Test	
UL Flame Test:	VW-1 Singles, UL1685 UL Loading

Fla

UL Flame Test:	VW-1 Singles, UL1685 UL Loading
CSA Flame Test:	FT4
IEEE Flame Test:	IEEE 1202
ICEA Flame Test:	ICEA T-29-520
Suitability	
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

Plenum (Y/N):



No

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



27882 Multi-Conductor - 600V Teck-Style® Cables

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

Voltage 600 V RMS

Max. Recommended Current:

Current 15 Amps per conductor @ 30°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

	-				
Item #	Putup	Ship Weight	Color	Notes	Item Desc

Revision Number: 1 Revision Date: 05-14-2007

© 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