Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1908A Multi-Conductor - FleXnake® Super-Flexible, High-Performance Cable



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (41x40) bare copper conductor, polyolefin insulation, individually shielded with double serve "French Braid" (93% coverage), TC drain wire, numbered/color-coded PVC jackets, overall Black PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
16	8	24	41x40	BC - Bare Copper	0.5842

Total Number of Conductors: 16

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PO - Polyolefin	1.016

Inner Shield

Inner Shield Material:

Туре	Inner Shield Material	Coverage (%)
French Braid	BC - Bare Copper	95

Inner Shield Drain Wire AWG:



Inner Shield Drain Wire Stranding: 19x26

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

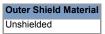
Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PVC - Polyvinyl Chloride	3.023

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Cabling Color Code Chart:



Overall Nominal Diameter: 12.243 mm

Page 1 of 3 12-30-2012

Detailed Specifications & Technical Data





1908A Multi-Conductor - FleXnake® Super-Flexible, High-Performance Cable

Pair

Pair Color Code Chart:



Operating Temperature Range:	-20°C To +60°C
Bulk Cable Weight:	193.466 Kg/Km
Max. Recommended Pulling Tension:	1023.086 N
Min. Bend Radius/Minor Axis:	127 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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
enum/Non-Plenum	

Ple

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Inductance:

Inductance (µH/m) 0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 85.6341

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 155.848

Nominal Velocity of Propagation:

VP (%) 66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 83.6655

Ind. Pair Nominal Shield DC Resistance @ 20 23.623 Ohm/km Deg. C:

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1908A Multi-Conductor - FleXnake® Super-Flexible, High-Performance Cable

1.05 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1908A B591000	305 MT	62.596 KG	BLACK, MATTE	С	8 #24 JKTD PR PVC
1908A B59250	76 MT	16.329 KG	BLACK, MATTE		8 #24 JKTD PR PVC
1908A B59500	152 MT	32.886 KG	BLACK, MATTE		8 #24 JKTD PR PVC

Notes:

C = CRATE REEL PUT-UP.

Test Reports

a) UL

i) UL Test Reports are available on-line through the UL Client Document Access web portal. ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CŚA

i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.

ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

Revision Number: 1 Revision Date: 10-04-2012

© 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.

Page 3 of 3 12-30-2012

^{*} other test data may be available if requested at time of order.