# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



# 1906A 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" (95% coverage), TC drain wire, numbered/color-coded PVC jackets, overall Black PVC jacket.

# **Physical Characteristics (Overall)**

## Conductor

#### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>	Dia. (mm)
6	24	41x40	BC - Bare Copper	0.5715

Total Number of Conductors: 12

## Insulation

## **Insulation Material:**

<b>Insulation Material</b>	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

## **Inner Jacket Color Code Chart:**

Number	Color
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue

#### **Outer Shield**

### **Outer Shield Material:**

Outer Shield Material Unshielded

#### **Outer Jacket**

**Outer Jacket Material:** 

**Outer Jacket Material** 

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PVC - Polyvinyl Chloride

## **Overall Cable**

**Overall Nominal Diameter:** 11.405 mm

Pair

**Pair Color Code Chart:** 

Number	Color		
1	Red & Black		

Me	Mechanical Characteristics (Overall)						
	Operating Temperature Range:	-20°C To +60°C					
	Bulk Cable Weight:	150.308 Kg/Km					
	Max. Recommended Pulling Tension:	800.676 N					
	Min. Bend Radius/Minor Axis:	114.300 mm					
Ap	Applicable Specifications and Agency Compliance (Overall)						
Αŗ	Applicable Standards & Environmental Programs						
	ELL Directive 2044/CE/ELL (DOUC II).	Voc					

pplicable Standards & Environmental Programs			
EU Directive 2011/65/EU (ROHS II):	Yes		
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		

Plenur	n/Nor	-DIA	num
Pienur	n/Nor	1-Pie	num

Plenum (Y/N): No

## **Electrical Characteristics (Overall)**

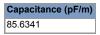
Nom. Characteristic Impedance:

Impedance	(Ohm)
60	

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

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

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Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current

1.05 Amps per conductor @ 25°C

## **Put Ups and Colors:**

Item#	Putup	Ship Weight	Color	Notes	Item Desc
1906A B591000	1,000 FT	108.000 LB	BLACK, MATTE		6 #24 JKTD PR PVC
1906A B59250	250 FT	28.500 LB	BLACK, MATTE		6 #24 JKTD PR PVC
1906A B59500	500 FT	55.500 LB	BLACK, MATTE		6 #24 JKTD PR PVC

Revision Number: 1 Revision Date: 11-06-2014

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