# **Detailed Specifications & Technical Data**

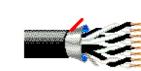


METRIC MEASUREMENT VERSION

## 1051A Multi-Conductor - 600V Tray Cable

For more Information please call

1-800-Belden1





# **Description:**

BEL

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

Physical Characteristics (Overall)	
Conductor AWG:	
# PairsAWGStrandingConductor Material12187x26BC - Bare Copper	
Total Number of Conductors:	24
Insulation Insulation Material:	
Insulation Material PVC/Nylon - Polyvinyl Chloride/Nylon	
Inner Shield Inner Shield Material:	
Inner Shield Trade Name Type Inner Shield Materi	
Beldfoil® Tape Aluminum Foil-Polye	ester Tape 100
Inner Shield Drain Wire AWG:	
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 Mater           Beldfoil®         Tape         Aluminum Foil-Poly	
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)	N .
PVC - Polyvinyl Chloride 1.6256	
Outer Jacket Ripcord:	Yes
Overall Cable Overall Cabling Lay Length & Direction: Length (mm) 251.45901	
	10.030 mm
Overall Nominal Diameter:	19.939 mm
Pair Pair Color Code Chart:	



# **Detailed Specifications & Technical Data**



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Number	Color
1	Black & White Numbered 1
2	Black & White Numbered 2
3	Black & White Numbered 3
4	Black & White Numbered 4
5	Black & White Numbered 5
6	Black & White Numbered 6
7	Black & White Numbered 7
8	Black & White Numbered 8
9	Black & White Numbered 9
10	Black & White Numbered 10
11	Black & White Numbered 11
12	Black & White Numbered 12

#### Pair Lay Length & Direction:

 Lay Length (mm)
 Twists (twist/m)

 63.5
 15.749

### **Mechanical Characteristics (Overall)**

Wet Temperature Range:	-30°C To +75°C	
Dry Temperature Range:	-30°C To +90°C	
Bulk Cable Weight:	492.594 Kg/Km	
Max. Recommended Pulling Tension:	3238.290 N	
Min. Bend Radius/Minor Axis:	xis: 200.660 mm	

## Applicable Specifications and Agency Compliance (Overall)

**Applicable Standards & Environmental Programs** 

NEC/(UL) Specification:	NPLF, TC				
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:	ICEA S-73-532, S-61-402				
Flame Test					
UL Flame Test:	UL1685 UL Loading				
C(UL) Flame Test:	FT4				
IEEE Flame Test:	1202				
Suitability					
Suitability - Burial:	Yes				
Sunlight Resistance:	Yes				
Plenum/Non-Plenum					
Plenum (Y/N):	No				

### **Electrical Characteristics (Overall)**

Nom. Mutual Capacitance:

Capacitance (pF/m)

147.645



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#### Nom. Conductor DC Resistance:

### DCR @ 20°C (Ohm/km)

19.2267

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

13.8458

Ind. Pair Nominal Shield DC Resistance @ 20 24.476 Ohm/km

Deg. C:

Max. Operating Voltage - UL:

Voltage 600 V RMS (NEC Type TC) 150 V RMS (NPLF)

### Notes (Overall)

Notes: Alternate color coding available upon request.

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1051A 0105000	1,524 MT	852.758 KG	BLACK	CZ	12 FS PR #18 PVC/NYL 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.

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