Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION





1053A Multi-Conductor - 600V Tray Cable

For more Information please call

1-800-Belden1



Description:

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

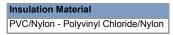
AWG:

# Pairs	AWG	Stranding	Conductor Material		
24	18	7x26	BC - Bare Copper		

Total Number of Conductors: 48

Insulation

Insulation Material:



Inner Shield

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester 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 Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AW	Stranding	Drain Wire Conductor Material		
18	7x26	TC - Tinned Copper		

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	2.1336

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 27.686 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & White Numbered 1
2	Black & White Numbered 2
3	Black & White Numbered 3

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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
13	Black & White Numbered 13
14	Black & White Numbered 14
15	Black & White Numbered 15
16	Black & White Numbered 16
17	Black & White Numbered 17
18	Black & White Numbered 18
19	Black & White Numbered 19
20	Black & White Numbered 20
21	Black & White Numbered 21
22	Black & White Numbered 22
23	Black & White Numbered 23
24	Black & White Numbered 24

Mechanical Characteristics (Overall)	
Wet Temperature Range:	-30°C To +75°C
Dry Temperature Range:	-30°C To +90°C
UL Temperature Rating:	75°C Dry, +90°C Wet
Bulk Cable Weight:	961.377 Kg/Km
Max. Recommended Pulling Tension:	3047.017 N
Min. Bend Radius/Minor Axis:	276.860 mm

	Min. Bend Radius/Minor Axis:	276.860 mm			
Аp	plicable Specifications and Agency Co	ompliance (Overall)			
Ap	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			
Fla	ame Test				
	UL Flame Test:	UL1685 Vertical Tray Flame Test			
	CSA Flame Test:	FT4			
	IEEE Flame Test:	1202			
Sı	uitability				
	Suitability - Burial:	Yes			
	Sunlight Resistance:	Yes			

Plenum/Non-Plenum

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Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 16.635

Ind. Pair Nominal Shield DC Resistance @ 20

24.476 Ohm/km

Deg. C:

Max. Operating Voltage - UL:

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

Max. Recommended Current:

Current 2.1 Amps per conductor @ 25°C

Notes (Overall)

Notes: Alternate color coding available upon request.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1053A 0102500	762 MT	865.231 KG	BLACK	CZ	18/24 PR VNTC IS/OS 600V
1053A 0105000	1,524 MT	1,744.071 KG	BLACK	CZ	18/24 PR VNTC IS/OS 600V

Notes:

C = CRATE REFL PUT-UP

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 2 Revision Date: 07-30-2012

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