METRIC MEASUREMENT VERSION



7953A Multi-Conductor - Category 6 DataTuff® 600V AWM Rated Cables



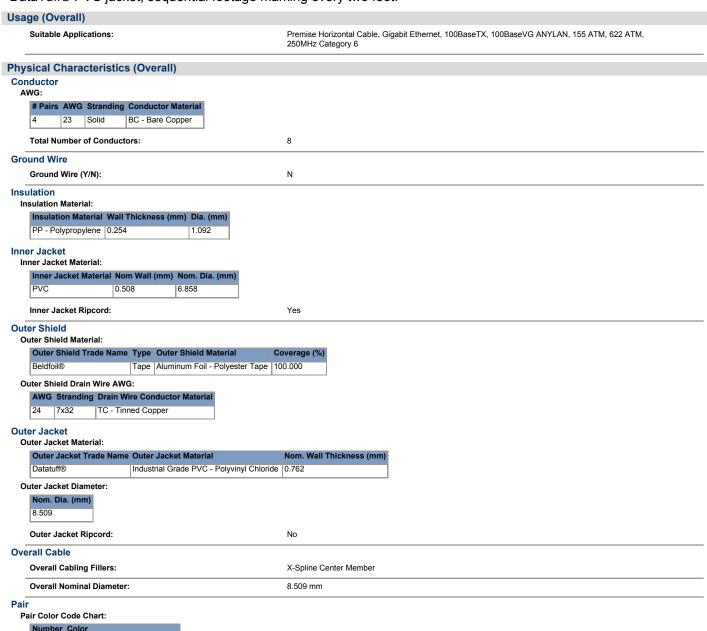
For more Information please call

1-800-Belden1



General Description:

23 AWG solid bare copper conductors, bonded pair polypropylene insulation, FRPE spline center member, inner PVC jacket, overall Beldfoil® Shield (100% coverage), industrial grade sunlight and oil resistant DataTuff® PVC jacket, sequential footage marking every two feet.



Number	Color
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

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chanical Characteristics (Overall) Storage Temperature Range:	-40°C To +80°C	
Installation Temperature Range:	-25°C To +75°C	
Operating Temperature Range:	-40°C To +75°C	
	75°C	
UL Temperature Rating:		
Bulk Cable Weight:	65.481 Kg/Km	
Max. Recommended Pulling Tension:	177.928 N	
Min. Bend Radius/Minor Axis:	101.600 mm	
plicable Specifications and Agency Complia	ance (Overall)	
pplicable Standards & Environmental Programs	CMD CMV Outdoor	
NEC/(UL) Specification:	CMR, CMX-Outdoor	
CEC/C(UL) Specification:	CMR	
AWM Specification:	UL Style 21047	
EU Directive 2011/65/EU (ROHS II):	Yes	
Other Standards:	ISO/IEC 11801 ed 2.1 (2008) Class E	
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):	10/09/2009	
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	
Telecommunications Standards:	Category 6 - TIA 568.C.2	
Other Specification:	UL Verified to Category 6	
ame Test		
UL Flame Test:	UL1666 Riser	
C(UL) Flame Test:	FT4	
IEEE Flame Test:	1202	
itability		
Suitability - Indoor:	Yes	
Suitability - Outdoor:	Yes	
Suitability - Aerial:	Yes	
Suitability - Burial:	No	
Sunlight Resistance:	Yes	
Oil Resistance:	Yes	
enum/Non-Plenum		
Plenum (Y/N):	No	
rface Printing (Overall)		
ectrical Characteristics (Overall)		
m. Mutual Capacitance: Capacitance (pF/m) 49.215		
Maximum Capacitance Unbalance (pF/100 m):	330	
minal Velocity of Propagation:		

Nominal Velocity of Propagation:

VP (%) 72

Maximum Delay:

Delay (ns/100 m) 537 @ 100MHz

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Max. Delay Skew:

Delay Skew (ns/100 m) 45

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m) 8.2

Max. Operating Voltage - UL:

Description Voltage 300 V RMS 600 V RMS | Appliance Wiring Material

Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%) 3.000

Electrical Characteristics-Premise (Overall)

Premise Cable Electrical Table 1:

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACR (dB)	Min. PSACR (dB)	Min RL (dB)	Min. SRL (dB)
1	2.000	74.3	72.3	72.3	70.3	21.000	na
4	3.800	65.3	63.3	61.5	59.5	24.000	na
8	5.300	60.8	58.8	55.4	53.4	25.500	na
10	6.000	59.3	57.3	53.3	51.3	26.000	na
16	7.600	56.2	54.3	48.7	46.7	26.000	na
20	8.500	54.8	52.8	46.3	44.3	26.000	na
25	9.500	53.3	51.3	43.8	41.8	25.300	na
31.25	10.700	51.9	49.9	41.2	39.2	24.600	na
62.5	15.400	47.4	45.4	32.0	30.0	22.500	na
100	19.800	44.3	42.3	24.5	22.5	21.100	na
155	25.200	41.5	39.5	16.3	14.3	19.800	na
200	29.000	39.8	37.8	10.8	8.8	19.000	na
250	32.800	38.3	36.3	5.5	3.5	18.300	na

Premise Cable Electrical Table 2:

Freq. (MHz)	Input (Unfitted) Imp. (Ohms)	Fitted Impedance	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	100 ± 15	100 ± 15	67.8	64.8
4	100 ± 15	100 ± 15	55.8	52.7
8	100 ± 15	100 ± 15	49.7	46.7
10	100 ± 15	100 ± 15	47.8	44.8
16	100 ± 15	100 ± 15	43.7	40.7
20	100 ± 15	100 ± 15	41.8	38.8
25	100 ± 15	100 ± 15	39.8	36.8
31.25	100 ± 15	100 ± 15	37.9	34.9
62.5	100 ± 15	100 ± 15	31.9	28.9
100	100 ± 15	100 ± 15	27.8	24.8
155	100 ± 22	100 ± 15	23.9	20.9
200	100 ± 22	100 ± 15	21.8	18.8
250	100 ± 32	100 ± 15	19.8	16.8

Notes (Overall)

Notes: US Patent #s 5, 606, 151; 5, 734, 126. Operating temperatures are subject to length de-rating. Cable passes -40C Cold Bend per UL 1581. Not intended for 600 V eletrical power delivery.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7953A 0021000	1,000 FT	55.000 LB	RED	С	4 PR #23 PO PVC FS FRPVC
7953A 0061000	1,000 FT	55.000 LB	BLUE, LIGHT	С	4 PR #23 PO PVC FS FRPVC
7953A 0081000	1,000 FT	55.000 LB	GRAY	С	4 PR #23 PO PVC FS FRPVC
7953A 0101000	1,000 FT	55.000 LB	BLACK	С	4 PR #23 PO PVC FS FRPVC
7953A 0105000	5,000 FT	260.000 LB	BLACK	С	4 PR #23 PO PVC FS FRPVC
7953A 1NH1000	1,000 FT	55.000 LB	TEAL 1NH	С	4 PR #23 PO PVC FS FRPVC

Notes: C = CRATE REEL PUT-UP.

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