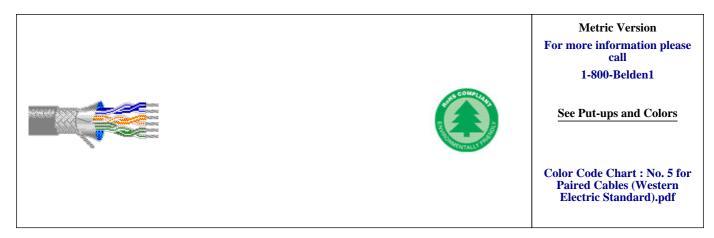
### Detailed Specifications & Technical Data



# **BELDEN**Cable<sup>™</sup>

### 9843 Paired - Low Capacitance Computer Cables for EIA RS-485 Applications



#### **Description:**

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 24 AWG stranded TC drain wire, PVC jacket

### PHYSICAL CHARACTERISTICS:

#### **CONDUCTOR:**

Number of Pairs	3				
Total Number of Conductors	6				
AWG	24				
Stranding	7x32				
Conductor Material	TC - Tinneo	l Copper			
INSULATION:					
Insulation Material	PE - Polyethylene				
Lay Length :					
Lay Length (cm)	Direction	Twists/ft (twist/m)		twist/m)	
2.54	Left Hand Lay		39.372	39.372	
Twists/ft.	12				
Pair Color Code Chart :					
Number	Color	Number		Color	
1	White/Blue & Blue/White	3		White/Green & Green/White	
	White/Orange & Orange/White				

Outer Shield Material Trade Name	Beldfoil®	
Outer Shield Type	Tape/Braid	
Outer Shield Material :		

## Detailed Specifications & Technical Data

## **BELDEN**Cable<sup>\*\*</sup>

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Layer Number	Material Trade Name	Туре	Material	% Coverage (%)			
1	Beldfoil®	Таре	Aluminum Foil-Polyester Tape	100			
2		Braid	TC - Tinned Copper	90			
OUTER SHIELD DRAIN	DUTER SHIELD DRAIN WIRE :						
Outer Shield Drain Wire AV	WG	24					
Outer Shield Drain Wire Stranding		7x32					
		TC - Tinned Copper	TC - Tinned Copper				
OUTER JACKET:							
Outer Jacket Material		PVC - Polyvinyl Chloride					
OVERALL NOMINAL DIAMETER:							
Overall Nominal Diameter		9.144 mm					
MECHANICAL CHARACTERISTICS:							
Operating Temperature Range		-30°C To +80°C					
UL Temperature Rating		80°C (UL AWM Style 291	9)				
Bulk Cable Weight		108.639 Kg/Km					
Max. Recommended Pulling Tension		469.285 N					
Min. Bend Radius (Install)		95.25 mm					
APPLICABLE SPECIFIC	CATIONS AND AGENCY	COMPLIANCE:					
APPLICABLE STANDA	RDS:						
NEC/(UL) Specification		СМ					
CEC/C(UL) Specification		СМ					
AWM Specification		UL Style 2919 (300 V 80°	C)				
EU CE Mark (Y/N)		Yes					
EU RoHS Compliant (Y/N)		Yes					
EU RoHS Compliance Date	(mm/dd/yyyy):	01/01/2004					
FLAME TEST:							
UL Flame Test		UL1685 UL Loading					
PLENUM/NON-PLENUM	И:						
Plenum (Y/N)		Ν					
ELECTRICAL CHARAC	CTERISTICS:						
Nom. Characteristic Impeda	ince	120 Ohms					
Nom. Capacitance Conducto	or to Conductor @ 1 KHz	75.463 pF/m					
Nom. Cap. Cond. to Other C	Cond. & Shield @ 1 KHz	41.997 pF/m					
Nominal Velocity of Propag	gation	66 %					
Nominal Delay		5.25 ns/m					
		Page 2 of 3					

### Detailed Specifications & Technical Data

## **BELDEN**Cable<sup>\*\*</sup>

### 9843 Paired - Low Capacitance Computer Cables for EIA RS-485 Applications

Nom. Conductor DC Resistance @ 20 Deg. C	78.744 Ohms/km
Nominal Outer Shield DC Resistance @ 20 Deg. C	7.546 Ohms/km
Nom. Attenuation (dB/100 ft)	1.969 (@ 1 MHz) dB/100m
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2919)
Max. Recommended Current	1.54 Amps per conductor @ 25°C

#### **PUT-UPS AND COLORS:**

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
9843 060100	3 PR #24 PE SH PVC	30.48	3.223	CHROME	
9843 0601000	3 PR #24 PE SH PVC	304.8	30.418	CHROME	С
9843 060500	3 PR #24 PE SH PVC	152.4	15.663	CHROME	С

C = CRATE REEL PUT-UP.

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