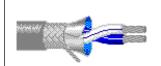


BELDENCable**

9841 Paired - Low Capacitance Computer Cable for EIA RS-485 Applications





Metric Version

For more information please call

1-800-Belden1

See Put-ups and Colors

Color Code Chart : No. 5 for Paired Cables (Western Electric Standard).pdf

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	1
Total Number of Conductors	2
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material PE - Polyethylene

Lay Length:

Lay Length (cm)	Direction	Twists/ft (twist/m)
6.35	Left Hand Lay	15.749

Twists/ft. 4.8

Pair Color Code Chart White/Blue and Blue/White

OUTER SHIELD:

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

Outer Shield Material:

Layer Number	Material Trade Name	Туре	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	90

OUTER SHIELD DRAIN WIRE:

Outer Shield Drain Wire AWG



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Outer Shield Drain Wire Stranding 7	7x32
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Outer Shield Drain Wire Conductor Material TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter 5.893 mm

MECHANICAL CHARACTERISTICS:

Operating Temperature Range -30°C To +80°C

UL Temperature Rating 80°C

Bulk Cable Weight 53.575 Kg/Km

Max. Recommended Pulling Tension 321.605 N

Min. Bend Radius (Install) 63.5 mm

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2919 (30 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

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	82841, 89841

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	120 Ohms
Nom. Capacitance Conductor to Conductor @ 1 KHz	41.997 pF/m
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	75.463 pF/m
Nominal Velocity of Propagation	66 %
Nominal Delay	5.25 ns/m
Nom. Conductor DC Resistance @ 20 Deg. C	78.744 Ohms/km
Nominal Outer Shield DC Resistance @ 20 Deg. C	11.155 Ohms/km
Nom. Attenuation (dB/100 ft)	1.969 (@ 1 MHz) dB/100m
Max. Operating Voltage - UL	300 V RMS, 30 V RMS (UL AWM Style 2919)
Max. Recommended Current	2.1 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Detailed Specifications & Technical Data



BELDENCable**

9841 Paired - Low Capacitance Computer Cable for EIA RS-485 Applications

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
9841 060100	1 PR #24 PE SH PVC	30.48	1.952	CHROME	
9841 0601000	1 PR #24 PE SH PVC	304.8	18.16	CHROME	С
9841 060500	1 PR #24 PE SH PVC	152.4	9.08	CHROME	С

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-21-2005

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