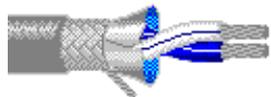


9841 Paired - Low Capacitance EIA RS-485

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 5 for Paired Cables (Western Electric Standard).pdf</p>
---	--

Description:

24 AWG stranded (7x32) tinned copper conductors, twisted pair, polyethylene insulated, overall 100% Beldfoil® shield plus a 90% tinned copper braid shield, 24 AWG (7x32) tinned copper 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 (in.)	Direction	Twists/ft (twist/ft)
2.5	Left Hand Lay	4.8

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	Type	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	24
-----------------------------	----

Outer Shield Drain Wire Stranding	7x32
-----------------------------------	------

Outer Shield Drain Wire Conductor Material	TC - Tinned Copper
--	--------------------

9841 Paired - Low Capacitance EIA RS-485

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
-----------------------	--------------------------

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.232 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +80°C
UL Temperature Rating	80°C
Bulk Cable Weight	36 lbs/1000 ft.
Max. Recommended Pulling Tension	72.3 lbs.
Min. Bend Radius (Install)	2.5 in.

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)

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	12.8 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	23 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.6 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	24 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	3.4 Ohms/1000 ft
Nom. Attenuation (dB/100 ft)	0.6 (@ 1 MHz) dB/100 ft.
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:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9841 060100	1 PR #24 PE SH PVC	100	4.3	CHROME	
9841 0601000	1 PR #24 PE SH PVC	1000	40	CHROME	C
9841 060500	1 PR #24 PE SH PVC	500	20	CHROME	C

9841 Paired - Low Capacitance EIA RS-485

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 06-09-2004

© 2004 Belden Wire & Cable Company
All Rights Reserved.

Although Belden Division ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.