

Technical Data Sheet

Data Grade RS-485 Cables



WEST PENN WIRE

2833 West Chestnut Street
Washington, PA 15301
Toll Free: (800) 245-4964
Fax: (724) 222-6420
www.westpenn-wpw.com

PART NUMBER:	D4852
DESCRIPTION:	2 Pair 24 Awg. Stranded tinned copper conductors, shielded with an overall jacket.
NEC RATING:	CM, NEC Article 800
APPROVALS:	(UL) Listed
APPLICATION:	Indoor data cable for: Computer Application, Low-Capacitance Data.

Construction Parameters:

Conductor	24 AWG Tinned Copper
Stranding	7x32
Insulation Material	Polyolefin
Insulation Thickness	0.035" Nom.
Number of Conductors	4 (2 Pair)
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	PVC
Jacket Thickness	0.032" Nom.
Overall Cable Diameter	0.305" Nom.
Approximate Cable Weight	62 Lbs/1M' Nom.
Flame Rating	UL 1685

Electrical & Environmental Properties:

Temperature Rating	-20deg C to 60deg C
Operating Voltage	300 V RMS
Max.Capacitance Between Conductors @ 1 KHz	12.8 pf/ft Nom.
Capacitance Between Conductors to Shield @ 1 KHz	23 pf/ft Nom.
DC Resistance per Conductor @ 20deg C	24 Ohms/1M' Nom.
Velocity of Propagation	66% Nom.
Impedance	120Ω Nom
Insulation Colors	1. Blue- White/Blue, 2. Orange-White/Orange
Jacket Color	Gray
RoHS Compliant	--

Mechanical Properties:

Max. Recommended Pull Tension	87 lbs.
Min. Bend Radius (Install)	3"

Specification Issue Date: 7/06

This document is the property of West Penn Wire.
The information contained herein is considered
Proprietary and not to be reproduced by any means
Without written consent of West Penn Wire

Standard Lengths are 1000ft.
The Jacket is sequentially footmarked.
The information presented here is, to the best of our
knowledge, is true and accurate. However, since
conditions of use are beyond our control, all
recommendations or suggestions are presented
without guarantee or responsibility on our part. We
disclaim all liability in connection with the use of
information contained herein or otherwise.