

Detailed Specifications & Technical Data

Part Number: 9502 Paired - Computer Cables for EIA RS-232 Applications



DESCRIPTION:

24 AWG stranded (7x32) tinned copper conductors, twisted pairs, S-R PVC insulated, 100% Beldfoil® shield, 24 AWG stranded

PHYSICAL CHARACTERISTICS :

CONDUCTOR :

Number of Pairs:	2
Total Number of Conductors:	4
AWG:	24
Stranding:	7x32
Conductor Material:	TC - Tinned Copper

INSULATION :

Insulation Material:	S-R PVC - Semi-Rigid Polyvinyl Chloride
----------------------	---

PAIR :

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

OUTER SHIELD :

Outer Shield Material Trade Name:	Beldfoil®
Outer Shield Type:	Tape
Outer Shield Material:	Aluminum Foil-Polyester Tape
Outer Shield %Coverage:	100 %

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

OUTER JACKET :

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

OVERALL NOMINAL DIAMETER :

Overall Nominal Diameter:	.222 in.
---------------------------	----------

MECHANICAL CHARACTERISTICS :

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

UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	12.4 lbs/1000 ft.
Max. Recommended Pulling Tension:	22 lbs.
Min. Bend Radius (Install):	2.25 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE :

APPLICABLE STANDARDS :	
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
CSA Specification:	AWM I A
PMSHA Specification:	SC-7K-182037

FLAME TEST :	
UL Flame Test:	UL1581 Vertical Tray
C(UL) Flame Test:	FT4

SUITABILITY :	
Sunlight Resistance:	Y

PLENUM/NON-PLENUM :	
Plenum (Y/N):	N
Plenum Number:	82502

ELECTRICAL CHARACTERISTICS :

Nom. Characteristic Impedance:	75 O
Nom. Capacitance Conductor to Conductor @ 1 KHz:	30 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz:	50 pF/ft
Nominal Velocity of Propagation:	60 %
Nom. Conductor DC Resistance @ 20 Deg. C:	24 O/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C:	17 O/1000 ft
Max. Operating Voltage - UL:	300 V RMS (UL AWM Style 2464)
Max. Recommended Current:	1.76 Amps per conductor @ 25°C
Max. Recommended Current:	1.76 Amps per conductor @ 25°C

NOTES :

Notes:	Pennsylvania Department of Environmental R Administration certification. Request quotatio
--------	---

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9502 060100	2 PR #24 PVC FS PVC	100	3.7	CHROME	
9502 0601000	2 PR #24 PVC FS PVC	1000	30	CHROME	C
9502 06010000	4 #24 PVC PVC	10000	290	CHROME	C Y
9502 060500	2 PR #24 PVC FS PVC	500	15	CHROME	C
9502 060U1000	2 PR #24 PVC FS PVC	U1000	28	CHROME	
9502 060U500	2 PR #24 PVC FS PVC	U500	14.5	CHROME	

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF AP

Revision Number: 1 Revision Date: 02-11-2004



Although Belden Electronics Division ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publica herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether expr Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoev possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection wi or specifications described herein.

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

4/5/04