Detailed Specifications & Technical Data

9502 Paired - Computer Cables for EIA RS-232 Applications

For more information please call

1-800-Belden1

See Put-ups and Colors

Color Code Chart : No. 3 for Paired Cables (Belden Standard).pdf

Description:

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

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 Color Code Chart :

Number	Color	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:

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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 Ohms
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 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	17 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2464)
Max. Recommended Current	1.76 Amps per conductor @ 25°C

NOTES:

Notes	Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification. Request quotations on RG/U cables not listed.

PUT-UPS AND COLORS:

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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 ANY ONE PIECE IS 1500'.

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