Detailed Specifications & Technical Data

Belden

9519   Paired   -   Computer Cables for EIA RS-232 Applications

Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	19
Total Number of Conductors	38
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	Number	Color
1	Black & Red	11	Red & Yellow
2	Black & White	12	Red & Brown
3	Black & Green	13	Red & Orange
4	Black & Blue	14	Green & White
5	Black & Yellow	15	Green & Blue
6	Black & Brown	16	Green & Yellow
7	Black & Orange	17	Green & Brown
8	Red & White	18	Green & Orange
9	Red & Green	19	White & Blue
10	Red & Blue		

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape w/Shorting Fold

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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	.448 in.
MECHANICAL CHARACTERISTICS:	
Operating Temperature Range	-30°C To +80°C
Non-UL Temperature Rating	80°C (UL AWM Style 2464)
Bulk Cable Weight	114.8 lbs/1000 ft.
Max. Recommended Pulling Tension	209 lbs.
Min. Bend Radius (Install)	4.5 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
FLAME TEST:	
UL Flame Test	UL1581 Vertical Tray
C(UL) Flame Test	FT4
PLENUM/NON-PLENUM:	
Plenum (Y/N)	N
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	16.5 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2464)
Other Maximum Continuous Currents	1.1 Amps per conductor @ 25°C

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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9519 060100	19 PR #24 PVC FS PVC	100	13.1	CHROME	C
9519 0601000	19 PR #24 PVC FS PVC	1000	122	CHROME	C
9519 060500	19 PR #24 PVC FS PVC	500	61.5	CHROME	C

C = CRATE REEL PUT-UP.

Revision Number: 1   Revision Date: 02-24-2004