Detailed Specifications & Technical Data

BELDENCable

89504 Paired - Computer Cable for EIA RS-232 Applications

For more information please call

1-800-Belden1

See Put-ups and Colors

Description:

24 AWG stranded (7x32) tinned copper conductors, plenum, FEP insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, FEP jacket

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	4
Total Number of Conductors	8
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	FEP - Fluorinated Ethylene Propylene
Nom. Insulation Wall Thickness	.006 in.
Lay Length	1.0 in.

Pair Color Code Chart :

Number	Color	Number	Color
1	Black & White	3	Black & Green
2	Black & Red	4	Black & Blue

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	FEP - Fluorinated Ethylene Propylene
Outer Jacket Nominal Wall Thickness	.014 in.

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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.192 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-70°C To +200°C
Bulk Cable Weight	26.3 lbs/1000 ft.
Max. Recommended Pulling Tension	50 lbs.
Min. Bend Radius (Install)	1.9 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test	NFPA 262
C(UL) Flame Test	FT6

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Non-Plenum Number	9504

ELECTRICAL CHARACTERISTICS:

Nom. Inductance	.17 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	21 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	40 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	24.1 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	15.9 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	1.5 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
89504 0021000	4 SH PR #24 FEP FEP	1000	29	RED	C
89504 002500	4 SH PR #24 FEP FEP	500	14.5	RED	C

C = CRATE REEL PUT-UP.

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