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1-800-Belden1



General Description:

24 AWG stranded (41x40) bare copper conductors, twisted pairs, foam polyethylene insulation with skin, overall Beldfoil® (100% coverage), tinned copper braid shield (85% coverage), oil-resistant PVC jacket.

Usage (Overall)

Suitable Applications: Flex Data, RS232, RS422

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1 | 24 | 41x40 | BC - Bare Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material |
|-------------------------|
| FPE - Foam Polyethylene |
| PE - Polyethylene |

Insulation Resistance: 6.1 Megohms/1000 ft. minimum

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|------------------------------|--------------|
| 1 | Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |
| 2 | | Braid | TC - Tinned Copper | 85 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 24 | 41x40 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|--------------|
| 1 | White & Blue |

Overall Nominal Diameter: 5.893 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 49.706 Kg/Km

Max. Recommended Pulling Tension: 182.376 N

7205A Multi-Conductor - 300V Flex Data Cables

| | |
|--|-----------|
| Min. Bend Radius/Minor Axis: | 58.420 mm |
| Min. Bend Radius (Continuous Flexing): | 88.900 mm |
| Flex Cycle Rating: | 1 Million |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------------|
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/01/2005 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| Other Specification: | RS Type: 232/422 |

Flame Test

| | |
|----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
|----------------|-------------------|

Suitability

| | |
|-----------------|-----|
| Oil Resistance: | Yes |
|-----------------|-----|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)

Max. Capacitance Conductor to Conductor:

| |
|--------------------|
| Capacitance (pF/m) |
|--------------------|

| |
|--------|
| 45.934 |
|--------|

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
|--------|

| |
|----|
| 72 |
|----|

Max. Operating Voltage - UL:

| |
|---------|
| Voltage |
|---------|

| |
|-----------|
| 300 V RMS |
|-----------|

| | |
|---------------------------------|-----------|
| Differential Impedance @ 1 MHz: | 100 +/-15 |
|---------------------------------|-----------|

Notes (Overall)

Notes: 1 million flex cycles based on proper installation in a C-track cable guide.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-----------|-------|----------------------------|
| 7205A X4P1000 | 1,000 FT | 38.000 LB | GREEN X4P | C | 1 PR #24 FHDPE/HDPE SH PVC |

Notes:

C = CRATE REEL PUT-UP.

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