



Product: [7203A](#)

MachFlex™, 4 Pr #24 Str BC, PE Ins, OS+TC Brd, PVC Jkt, CM

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Product Description

MachFlex™ for High Flex, 4 Pair 24AWG (41x40) Bare Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(85%) Shield, PVC Outer Jacket, CM

Technical Specifications

Product Overview

| | |
|------------------------|---------------------------|
| Suitable Applications: | Flex Data, RS-232, RS-485 |
|------------------------|---------------------------|

Construction Details

Conductor

| Element | Number of Element | AWG | Stranding | Material |
|---------|-------------------|-----|-----------|------------------|
| Pair(s) | 4 | 24 | 41x40 | BC - Bare Copper |

Insulation

| Element | Material | Thickness [in.] | Color Code |
|---------|--------------------------|-----------------|--|
| Pair(s) | PE - Polyethylene (Foam) | 0.012 | White & Blue, White & Orange, White & Green, White & Brown |

Outer Shield Material

| Shield Type | Material | Coverage | Drainwire Type |
|--------------|----------------------------------|------------|-------------------|
| Tape + Braid | Alum / Poly + Tinned Copper (TC) | 100% + 85% | 24 AWG (41x40) TC |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.045 in | 0.362 in |

| | |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.362 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Velocity of Prop. |
|---------|--------------------|-------------------------------|------------------------|
| Pair(s) | 24 Ohm/1000ft | 15 pF/ft | 72% |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CM) |

Mechanical Characteristics

Temperature

| UL Rating | Operating |
|-----------|----------------|
| 60°C | -20°C to +60°C |

Bend Radius

| Stationary Min. | Installation Min. | Flexing Min. |
|-----------------|-------------------|--------------|
| 3.6 in | 3.6 in | 4.6 in |

| | |
|--------------------|--------|
| Max. Pull Tension: | 99 lbs |
|--------------------|--------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 59 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor (Not Riser or Plenum), Indoor, Oil Resistance |
| Flammability / Fire Resistance: | UL1685 (UL Loading) |
| NEC / UL Compliance: | Article 800, CM |
| CEC / C(UL) Compliance: | CM |
| European Directive Compliance: | EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

Product Notes

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

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.341 Revision Date: 07-31-2020 |
|----------------------|--|

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