Product: MRTC8C17S 저
MachFlex ${ }^{\text {TM }}$ Robotic Multi-Core Control, 8 C 17 AWG Str TC, ETFE Ins, TCBS, PVC Outer Jkt

## Product Description

MachFlex ${ }^{\text {TM }}$ Robotic Multi-Core Control \& Signal Cable, 8 Conductor 17 AWG Stranded Tinned Copper, ETFE Insulation, Tinned Copper Braid Shield, PVC Outer Jacket

## Technical Specifications

Product Overview


Construction Details

Outer Shield

| Shield Type | Material |
| :--- | :---: |
| Braid | Tinned Copper (TC) |

Outer Jacket

| Material |
| :---: |
| PVC - Polyvinyl Chloride |


| Overall Cable <br> Diameter (Nominal): | $9.8 \mathrm{~mm}(0.39 \mathrm{in})$ |
| :--- | :--- |

Electrical Characteristics

## Electricals <br> > Max. Conductor DCR <br> <br> Max. Conductor DCR <br> <br> Max. Conductor DCR <br> 18.3 Ohm/km (5.58 Ohm/1000ft)

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Voltage
    UL Voltage Rating
300 V (Max. Operating Voltage)
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Mechanical Characteristics

## Temperature

## Operating <br> $-40^{\circ} \mathrm{C}$ to $+105^{\circ} \mathrm{C}$

Bulk Cable Weight: $\quad 175.7 \mathrm{~kg} / \mathrm{km}$ ( $118.1 \mathrm{lbs} / 1000 \mathrm{ft}$ )

Standards and Compliance

| Environmental Suitability: | IndoorOutdoor, Indoor, Outdoor, Oil Resistance |
| :---: | :---: |
| Flammability / Reaction to Fire: | FT1, FT4, VW-1, IEC 60332-1-2 |
| AWM Compliance: | AWM 2517 |
| CEC / C(UL) <br> Compliance: | CSA C22.2 No. 210 |
| European Directive Compliance: | EU Directive 2011/65/EU (RoHS 2) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

## Product Notes

Notes: UL certification: UL 13. Suitability -Oil Resistant: IRM 902 120x18hrs, IRM 903 120x18hrs

## History

Update and Revision: Revision Number: 0.21 Revision Date: 12-19-2023
Part Numbers

Variants

| Item \# | Color | Length |
| :--- | :--- | :--- |
| MRTC8C17S G8U100M | Gray | 100 m |
| MRTC8C17S G8U200M | Gray | 200 m |
| MRTC8C17S G8U300M | Gray | 300 m |
| MRTC8C17S 003100M | Orange | 100 m |
| MRTC8C17S 003200M | Orange | 200 m |
| MRTC8C17S 003300M | Orange | 300 m |

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