



Product: [C7G0.75CY](#)

MachFlex™ 375CY, 6+1G C 0.75mm² Str BC, PVC Ins, PVC Inner Jkt, TCBS, PVC Outer Jkt

Product Description

MachFlex™ 375CY, 6 Conductor + 1 Ground 0.75mm² Stranded Bare Copper, PVC Insulation, PVC Inner Jacket, Tinned Copper Braid Shield, PVC Outer Jacket

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more. Tinned copper braid shield ensures cables with excellent noise immunity |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material | No. of Conductors |
|--------------|----------------------|-----------|------------------|-------------------|
| Conductor(s) | 0.75 mm ² | Class 5 | BC - Bare Copper | 6 |
| Ground | 0.75 mm ² | Class 5 | BC - Bare Copper | 1 |

| | |
|------------------|---|
| Conductor Count: | 7 |
|------------------|---|

Insulation

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

Color Chart

| Color |
|--------------|
| White |
| Black |
| Blue |
| Brown |
| Grey |
| Red |
| Green/Yellow |

Outer Shield

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

Outer Jacket

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 9.7 mm |

Electrical Characteristics

Voltage

| Dielectric Withstand Voltage | Non-UL Description | Non-UL Voltage Rating |
|------------------------------|--------------------|-----------------------|
| 4000 V | IEC: | 300/500 V |

Temperature Range

| | |
|---------------------------------|----------------|
| Installation Temperature Range: | -40°C to +80°C |
| Operating Temperature Range: | -5°C to +70°C |

Mechanical Characteristics

| | |
|---------------------------------------|-----------|
| Oil Resistance: | Yes |
| UV Resistance: | Yes |
| Bulk Cable Weight: | 151 kg/km |
| Min. Bend Radius During Installation: | 6 x OD |
| Min. Bend Radius During Operation: | 20 x OD |

Standards

| | |
|----------------------|---|
| Other Specification: | IEC 60227-5, EN 50525-2-51, VDE 0281-13 |
|----------------------|---|

Applicable Environmental and Other Programs

| | |
|-----------------------------------|-----|
| EU Directive 2011/65/EU (RoHS 2): | Yes |
|-----------------------------------|-----|

Suitability

| | |
|------------------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Oil Resistance: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Sunlight Resistance: | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|---------------------|--|
| IEC Flammability: | IEC 60332-1-2 |
| Other Flammability: | DIN VDE 0482-332-1-2, DIN EN 60332-1-2 |

Related Part Numbers

Variants

| Item # | Color | Length |
|-------------------|--------------------|--------|
| C7G0.75CY 01050M | Black, RAL 9005 | 50 m |
| C7G0.75CY 010100M | Black, RAL 9005 | 100 m |
| C7G0.75CY 010200M | Black, RAL 9005 | 200 m |
| C7G0.75CY 36850M | Clear, Transparent | 50 m |
| C7G0.75CY 368100M | Clear, Transparent | 100 m |
| C7G0.75CY 368200M | Clear, Transparent | 200 m |
| C7G0.75CY G8U50M | Gray, RAL 7001 | 50 m |
| C7G0.75CY G8U100M | Gray, RAL 7001 | 100 m |
| C7G0.75CY G8U200M | Gray, RAL 7001 | 200 m |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.14 Revision Date: 04-08-2022 |
|----------------------|---|

© 2022 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.