Product: 7C0.75YCY

MachFlex™ LiYCY, 7 C 0.75mm² Str BC, PVC Ins, TCBS, PVC Jkt

Product Description

MachFlex™ LiYCY PVC Control & Signal Cables, 7 Conductor 0.75mm² Stranded Bare Copper, PVC Insulation, Tinned Copper Braid Shield, PVC 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, pressure gauge, temperature controllers, control panels, vibration monitoring systems, intelligent security controllers, production machinery and many more. Tinned cooper braid shield ensure the cables with excellent noise immunity

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	7	0.75 mm²	Stranded	BC - Bare Copper

Insulation

Material	Color Code
PVC - Polyvinyl Chloride	White, Brown, Green, Yellow, Gray, Pink, Blue

Outer Shield

Shield Type	Material
Braid	Tinned Copper (TC)

Outer Jacket

Material
PVC - Polyvinyl Chloride

Overall Cable Diameter (Nominal):	7.5 mm (0.30 in)

Electrical Characteristics

Electricals

Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield
120 pF/m (37 pF/ft)	160 pF/m (49 pF/ft)

Voltage

Voltage Rating
500 V (Max. Operating Voltage), 1500 V (Testing Voltage)

Mechanical Characteristics

Temperature

Operating	Installation
-5°C to +70°C(Occasional movement)	-40°C to +80°C(Fixed installation)

Bend Radius

Stationary Min.	Installation Min.

112.5 mm (4.429 in)	45 mm (1.8 in)

Bulk Cable Weight:	100 kg/km (67 lbs/1000ft)

Standards and Compliance

Environmental Suitability:	Sunlight Resistance, UV Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2
ISO/IEC Compliance:	IEC 60228
CENELEC Compliance:	EN 50290-2-22, EN 50363-4-1
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2)
Other Standard Compliance(s):	VDE 0812, DIN 47100, BS 6360

History

Update and Revision:	Revision Number: 0.49 Revision Date: 07-15-2024

Part Numbers

Variants

Item #	Color	Length
7C0.75YCY 010100M	Black	100 m
7C0.75YCY 010200M	Black	200 m
7C0.75YCY 010300M	Black	300 m
7C0.75YCY 006100M	Blue	100 m
7C0.75YCY 006200M	Blue	200 m
7C0.75YCY 006300M	Blue	300 m
7C0.75YCY F2V100M	Gray, RAL 7032	100 m
7C0.75YCY F2V200M	Gray, RAL 7032	200 m
7C0.75YCY F2V300M	Gray, RAL 7032	300 m

© 2024 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.