

# SY Control Cable 2x1.0mm<sup>2</sup> PVC Sheath



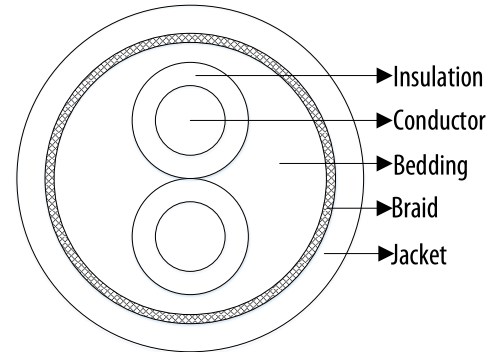
PRODUCT DATA SHEET

The SY cable is reliable cable which combines the characteristics of a flexible mains cable with that of a steel wire armoured type, ideal for use in conditions where mechanical stresses are prevalent and where free movement is required. The SY type cable is often referred to as instrumentation cable, flexible or braided control cable.

**Design Number** 10446  
**Part Number** 32052420  
**Customer Number** N/A

## CONSTRUCTION

**Conductor:** Bare copper  
**Conductor Size:** 1.0mm<sup>2</sup>(32x0.20mm), IEC 60228 Class 5  
**Insulation:** PVC Compound  
**Bedding:** PVC Compound  
**Braid:** Galvanized Steel Wire  
**Jacket Material:** PVC Compound  
**Overall Diameter:** 7.7mm (Nom.)  
**Jacket Color:** Transparent  
**Cable Weight:** Approx. 86 kg/km



**Color Code:** Blue, Brown

## PHYSICAL CHARACTERISTICS

**Operating Temperature (°C):** -15°C to +70°C  
**Max Conductor Temperature During Short Circuit:** 160°C  
**Max Conductor DC Resistance at 20°C:** 21.1 Ω/km  
**Operating Voltage:** 300/500V  
**Test Voltage:** 2000V  
**Minimum Bending Radius:** 15x OD  
**Flame Retardant:** IEC 60332-1

**RoHS Compliant:** European Directive 2015/863/EU

**Application:** Suitable for internal dry, damp or wet environments, including oil-water mixtures

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Revision History		
00	2020/12/02	Initial release
Created L. Jian	Approved A. Huang	

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