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Technical Specification

Cable type: 1x2x14# PVC Insulated and Jacketed Unshielded Control Cable

Western Wire Part Number: BU502K10

Revision: 01/22 Date: 19 January 2022



Physical Description

2x14 AWG PVC insulated conductors are stranded together and Jacketed with Black FR-PVC compound. The cable is designed for use in LF control applications. Suitable for installations in ducts. complies with IEC 60332-1 flame test requirements.

Conductors	Stranded annealed bare copper, 7x0.61 mm nom., 14 AWG
Insulation type	SR-PVC compound rated at -55 to +105°C
Insulation thickness	0.43 mm nom.
Insulation OD	2.85 mm nom.
Total number of conductors	2
Color code	Black x White
Conductor arrangement	The 2 conductors are twisted together with a lay length of 50mm max.
Core warp	Polyester tape, providing 100% coverage
Outer jacket	Black, UV-Resistance FR-PVC compound rated at -40 to +90°C
Jacket thickness	0.9 mm nom.
Overall diameter	7.5 mm nom.
Surface marking	WESTERN WIRE BU502K10 1x2x14 AWG 60V CONTROL CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Month, Year] [Batch Number] [Sequential Meter Mark] METER

Physical Properties

Minimum Bend Radius	6 x D
Operating temperature	-40 to +90°C
Flame test	IEC 60332-1
Total weight	77 kg/km nom.

Electrical Properties @ 20C

DC Resistance of conductors	9.5 Ohm/km max.
Min. Insulation resistance	200 MOhm*km
Dielectric strength	2000 V rms min/ 1 minute
voltage rating	60V rms max.

This cable fully conforms to EU Directive 2011/65/EU (RoHS-2)