



Technical Specification

Cable Type: 1x2x20# PVC Insulated and Jacketed Unshielded 60V Control Cable

Part Number: DU502G10

Revision: 05/23 **Date:** 30 October 2023



The cable is rated at 90C and 60V and can be used for instrument interconnections in process plant for LF control applications.

Physical Description

Conductors	Stranded 20 AWG bare annealed copper 7x0.32 mm nom.
Insulation type	Flame retardant PVC compound, rated -55C to +105C
Insulation thickness	0.43 mm nom.
Insulation OD.	1.75 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
Drain wire	None
Overall shield	None
Outer jacket	Heavy-duty Flame-retardant PVC compound, UV resistant
Jacket thickness	0.7 mm nom.
Overall diameter	5.0 mm nom.
Jacket color	Black, RAL 9005
Surface marking	WESTERN WIRE DU502G10 1x2x20AWG 60V CONTROL CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS2) [Month, Year] [Batch Number] [Sequential Meter Mark] METER

Physical Properties

Minimum bend radius	10xD
Storage temperature	-20 to +60C
Operating temperature	-30 to +90C
Flame test	IEC 60332-1
Total weight	30 kg/km nom.

Electrical Properties @ 20C

DC Resistance of conductors	35.9 Ohm /km max.
Continuous working voltage	60V rms max.
Insulation dielectric strength	2000 V rms min/ 1 minute between conductors
Insulation resistance	200 MOhm•Km min.

This cable fully conforms to EU Directive 2011/65/EU (RoHS2)