

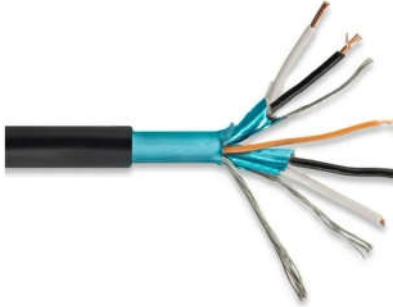


Technical Specification

Cable Type: 2x2x20 AWG PVC insulated and jacketed F/FTP 60V Instrumentation cable

Western Wire Part Number: DD602G1V

Revision: 02/23 Date: 16 April 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

Basic Wires

Conductors

Insulation type

Insulation thickness

Insulation OD

Total number of conductors

Total number of twisted pairs

Color code

Pair identification

Pair construction

Individual pair shield

Core cabling

Core warp

Drain wire

Overall shield

Rip cord

Outer jacket

Jacket thickness

Overall diameter

Color

Surface marking

Signal Wires

Stranded 20AWG bare annealed copper 7x0.32 mm nom.

Flame retardant PVC compound

0.4 mm nom.

1.75 mm nom.

4

2

Black x White (both pairs)

Printed numbers on the white wire: 1-ONE, 2-TWO

2 conductors are twisted together with a lay length of 50mm max.

23mic. polyester-aluminum tape, foil face in, providing 100% coverage, laid in close contact with a tin-plated, 22 AWG stranded (7x0.25 mm) drain-wire

The two pairs are cabled together with the communications wire

Polyester tape, providing 100% coverage

Stranded 20AWG annealed tinned copper 7x0.32 mm nom.

Polyester-aluminum tape, foil face in, providing 100% coverage

PA stranded rip-cord (14 Kgf) laid under the jacket for easy jacket removal

Heavy-duty Flame-retardant PVC compound, UV resistant

1.3 mm nom.

8.8 mm nom.

Black, RAL 9005

WESTERN WIRE DD602G1V 2x2x20AWG SHIELDED 60V INSTRUMENTATION CABLE

FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Month, Year] [Batch Number]

[Sequential Meter Mark] METER

Communications Wire

Stranded 22AWG bare annealed copper 7x0.25 mm nom.

Flame retardant PVC compound

0.4 mm nom.

1.55 mm nom.

1

N/A

Orange

Physical Properties

Minimum bend radius

Storage TemperatureStorage Temperature

Operating temperature

Flame test

Total weight

Electrical Properties @ 20C

DC Resistance of signal conductors (20 AWG)

DC Resistance of conductors of communications wire (22 AWG)

Continuous working voltage

Insulation dielectric strength

Jacket dielectric strength

Velocity of propagation

8xD

-20 to +60C

-20 to +90C

IEC 60332-1

96 kg/km nom.

35.9 Ohm /km max.

58.0 Ohm /km max.

60 V rms max.

2000 V rms min/ 1 minute (between conductors)

5000 V rms min/ 1 minute (shield to water)

55% nom. @ 1 kHz

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