

Technical Specification

Cable Type: Nx2x22# PVC Insulated and Jacketed Overall Shielded LF Control & RS 232 Cable

Western Wire Part Number: B-AF2xxF90

Revision: 03/20 Date: 16 November 2020



Physical Description

Conductors	Stranded 22# annealed tinned copper 7x0.23 mm nom.
Insulation type	PVC compound, rated at -30 to +80C
Insulation thickness	0.25 mm nom.
Insulation OD	1.30 mm nom.
Color code	1. Black x Red 2. Black x White 3. Black x Green 4. Black x Blue
Pairs arrangement	The pairs are cabled together
Core warp	Polyester tape, providing 100% coverage
Drain wire	Stranded 22# annealed tinned copper 7x0.23 mm nom.
Overall shield	Polyester-aluminum tape, foil face in, providing 100% coverage
Outer jacket	PVC compound, rated at -20 to +80C
Jacket color	Gray, RAL 7005
Surface marking - 2P	WESTERN WIRE B-AF202F90 2x2x22AWG FOIL SHIELDED 60V CONTROL CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Month, Year] [Batch Number] [Sequential Meter Mark] METER
Surface marking - 3P	WESTERN WIRE B-AF203F90 3x2x22AWG FOIL SHIELDED 60V CONTROL CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Month, Year] [Batch Number] [Sequential Meter Mark] METER
Surface marking - 4P	WESTERN WIRE B-AF204F90 4x2x22AWG FOIL SHIELDED 60V CONTROL CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Month, Year] [Batch Number] [Sequential Meter Mark] METER
Notes	The jacket is easily removable.

Ordering information

Cable P/N	Pair count	Jacket thickness (mm)	Cable OD. (mm)	Cable weight (kg/km)
B-AF202F90	2	0.8	6.2	47
B-AF203F90	3	0.8	6.5	52
B-AF204F90	4	0.8	7.0	61

Mechanical Properties

Minimum Bend Radius	20 x D
Storage Temperature	-20 to +60C
Operating temperature	-20 to +80C
Flame tests	IEC 60332-1

Electrical Properties @ 20C

DC Resistance of conductors	73.8 Ohm /Km max.
Insulation resistance	100 MOhm ·Km min.
Velocity of propagation	55% nom. @ 1 KHz
Dielectric strength	1000VDC/1 Min.
Voltage rating	60V rms max.

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