

Technical Specification

Cable Type: **Nx(2x22#)** PVC Insulated and Jacketed Individually Shielded LF 60V Control Cable

Western Wire Part Number: **B-AS2xxF90**

Revision: 05/20 Date: 11 January 2021



Physical Description

Conductors	Stranded 22# annealed tinned copper 7x0.23 mm nom.
Insulation type	SR-PVC compound, rated at -30 to +80C
Insulation thickness	0.25 mm nom.
Insulation OD	1.15 mm nom.
Pair warp	Each pair wrapped with polyester tape, providing 100% coverage.
Drain wire	Each pair has a stranded 22# annealed tinned copper 7x0.23 mm nom.
Individual shield	Each pair wrapped with polyester-aluminum tape, foil face in, providing 100% coverage
Outer Jacket	PVC compound, rated at -20 to +80C
Color	Gray, RAL 7005
Surface Marking	WESTERN WIRE B-AS2xxF90 NNx(2x22AWG) INDIVIDUALLY FOIL SHIELDED 60V CONTROL CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Month, Year] [Batch Number] [SMM] METER
Notes	The jacket is easily removable.

Cable P/N	Pair number	Pairs arrangement	Jacket thickness nom. (mm)	Cable OD nom. (mm)	Cable weight nom.(kg/km)
B-AS202F90	2	Concentric	0.80	5.4	40
B-AS203F90	3	Concentric	0.80	6.7	61
B-AS204F90	4	Concentric	1.00	7.3	89
B-AS206F90	6	Concentric	1.10	9.2	129
B-AS208F90	8	Concentric (2+6)	1.10	10.3	158
B-AS212F90	12	Concentric (3+9)	1.20	12.5	214
B-AS216F90	16	Concentric (5+11)	1.20	14.0	283

Note: Fillers may be used to achieve a round circular construction. All Diameter & Weight Values are nom. values and may vary.

Color Code

Pair No.	Color Code	Pair No.	Color Code
1	Black x Red	9	Red x Green
2	Black x White	10	Red x Blue
3	Black x Green	11	Red x Yellow
4	Black x Blue	12	Red x Brown
5	Black x Yellow	13	Red x Orange
6	Black x Brown	14	Green x White
7	Black x Orange	15	Green x Blue
8	Red x White	16	Green x Yellow

Mechanical Properties

Minimum Bend Radius	20 x D
Storage Temperature	-20 to +60C
Operating temperature	-20 to +80C
Flame test	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 (between conductors & between conductors and shield)	700VDC/1min.
Voltage rating	60 V rms max.

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