

Technical Specification

Cable Type: 10x2x20# (0.8/1.6) PVC Insulated and Jacketed Flame Retardant 60V Outdoor Signal & Control Cable

Western Wire Part Number: BU810G3M

Revision: 01/14 Date: 13 August 2014



PVC Insulated and Jacketed Flame Retardant 60V outdoor signal & Control Cable designed according to IS 1220 Part 3 2013 edition. The outer jacket is UV resistant.

Physical Description

Conductors	Solid annealed bare copper 20 AWG, 0.81 mm nom OD.
Insulation type	PVC compound, Flame retardant, rated at -20 to +80C.
Insulation thickness	0.40 mm nom. 0.35 mm min.
Insulation OD	1.60 mm nom.
Number of conductors	20
Conductor arrangement	The 20 conductors are twisted into 10 pairs.
Number of pairs	10
Color code	1. White x Red 2. White x Blue 3. White x Orange 4. White x Brown 5. White x Black 6. White/Red x Red, 7. White/Red x Blue, 8. White/Red x Orange 9. White/Red x Brown, 10. White/Red x Black.
Core formation	The 10 pairs are cabled together (2+8). Core OD: 10.4 mm nom.
Core warp	None.
Inner Jacket	PVC compound, Flame retardant, rated at -20 to +80C.
Jacket thickness	0.50 mm nom.
Diameter	11.5 mm nom.
Color	Red, RAL 3000.
Outer Jacket	UV resistant PVC compound, Flame retardant, rated at -20 to +80C.
Jacket thickness	1.40 mm nom.
Overall Diameter	14.4 mm nom.
Color	Red, RAL 3000.
Surface Marking	WESTERN WIRE BU810G3M 10x2x0.8/1.60 60V OUTDOOR CONTROL CABLE FR IEC 60332-1 CE 2011/65/EU (RoHS-2) [Month, Year] [Batch Number] [SMM] METER
Notes	Both jackets are easily removable.

Mechanical Properties

Minimum Bend Radius	20 x D
Operating temperature	-20 to +80C
Flame test	IEC 60332-1.
Total Weight	248 Kg/Km nom.

Electrical Properties @ 20C

DC Resistance of conductors	36.6 Ohm /Km max.
Continuous working voltage	60 V rms max.
Dielectric strength	800 V rms min/ 1 minute (between conductors)
Insulation resistance	100 MegaOhm·Km min.
Capacitance	100 pF/m nom. @ 1 KHz

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

		PVC Insulated and Jacketed 60V Control Cable	
Cable type	10x2x20AWG Unshielded Outdoor Cable		
Jacket Type	PVC Double-Jacket		
Jacket Color	Red RAL 3000		
WW Part Number	BU810G3M		
WW Batch Number			
Production Date			
Reel Number			
Length			
Voltage rating	60V max.		
This cable fully conforms to EU Directive 2011/65/EU (RoHS-2)			
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<i>Passive components. Active people.™</i>			

Label size: 14 cm (w) x 10 cm (h)