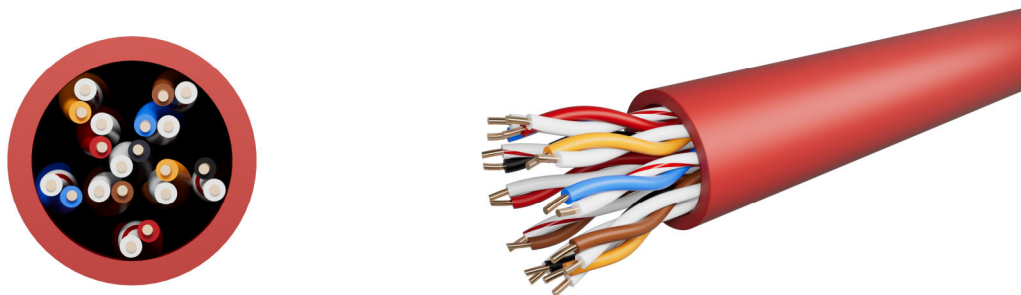


Technical Specification
Cable Type: 10x2x0.8 PVC Insulated and Jacketed Signal & Control Indoor Cable
Western Wire Part Number: AU810G35
Revision: 03/24 Date: 30 July 2024



Physical Description

Conductors	Solid annealed bare copper 20 AWG, 0.8 mm nom OD.
Insulation type	PVC compound, Flame retardant, rated at -20 to +80C
Insulation thickness	0.27 mm nom.
Insulation OD.	1.35 mm nom.
Number of conductors	20
Conductor arrangement	The 20 conductors are twisted into 10 pairs
Number of pairs	10
Color code	White x Red, White x Blue, White x Orange, White x Brown, White x Black, White/Red x Red, White/Red x Blue, White/Red x Orange, White/Red x Brown, White/Red x Black
Core formation	The 10 pairs are cabled concentrically (2+8)
Core warp	None
Outer jacket	PVC compound, Flame retardant, rated at -20 to +80C
Jacket thickness	0.80 mm nom.
Overall diameter	10.5 mm nom.
Jacket color	Red, RAL 3000
Surface marking	WESTERN WIRE AU810G35 10x2x0.8/1.35 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

Mechanical Properties

Minimum bend radius	20 x D
Operating temperature	-20 to +70C
Flame test	IEC 60332-1
Total weight	160 kg/km nom.

Electrical Properties @ 20C

DC Resistance of conductors	36.6 Ohm /km max.
Dielectric strength	800 V rms min/ 1 minute (between conductors)
Insulation resistance	100 MegaOhm ·km min.
Continuous working voltage	60 V rms max.

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