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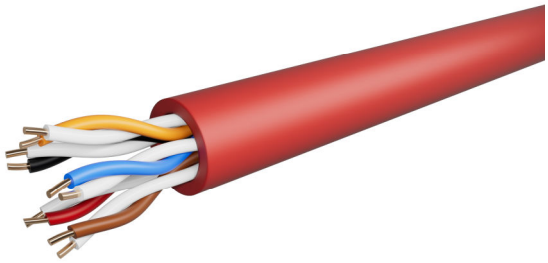
Technical Specification
Cable Type: 5x2x0.8 PVC Insulated and Jacketed Signal & Control Indoor Cable
Western Wire Part Number: AU805G35
Revision: 03/24 Date: 30 July 2024



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	10
Conductor arrangement	The 10 conductors are twisted into 5 pairs
Number of pairs	5
Color code	White x Red, White x Blue, White x Orange, White x Brown, White x Black
Core formation	The 5 pairs are cabled together
Core warp	None
Outer jacket	PVC compound, Flame retardant, rated at -20 to +80C
Jacket thickness	0.80 mm nom.
Overall diameter	8.2 mm nom.
Jacket color	Red, RAL 3000
Surface marking	WESTERN WIRE AU805G35 5x2x0.8/1.35 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	95 kg/km nom.

Electrical Properties @ 20C

DC Resistance of conductors	36.0 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)