

Technical Specification

Cable Type: 4x20# PVC Insulated and Jacketed 60V Control Cable

Western Wire Part Number: **CU704G30**

Revision: 04/23 Date: 28-Feb-2023



Physical Description

Conductors	Solid annealed bare copper 20 AWG, 0.8 mm nom OD.
Insulation type	PVC compound, Flame retardant, rated at -30 to +80°C.
Insulation thickness	0.27 mm nom.
Insulation OD	1.35 mm nom.
Total number of conductors	4
Color code	Red, Blue, Grey, Violet.
Conductor arrangement	The 4 conductors are twisted together at 50mm max. lay.
Core warp	None.
Outer jacket	PVC compound, Flame retardant, rated at -20 to +80°C.
Jacket thickness	0.60 mm nom.
Overall diameter	4.5 mm nom. 4.8 mm max.
Color	Red, RAL 3000.
Surface marking	WESTERN WIRE CU704G30 4x0.8 CONTROL CABLE IEC 60332-1CE 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
Storage temperature	-20 to +60°C
Operating temperature	-20 to +80°C
Flame test	IEC 60332-1
Total weight	35 kg/km nom.

Electrical Properties @ 20°C

DC Resistance of conductors	36.0 Ohm /km max.
Continuous working voltage	60 V rms max.
Dielectric strength	1500 V rms min/ 1 minute (between conductors)
Mutual capacitance	120 pF/m nom. @ 1 kHz.
Insulation resistance	100 MegaOhm·km min.
Velocity of propagation	55% nom. @ 1 kHz

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