

Dimmer and Switch Control Cable 22AWG, Screened, PVC or HFFR Sheath

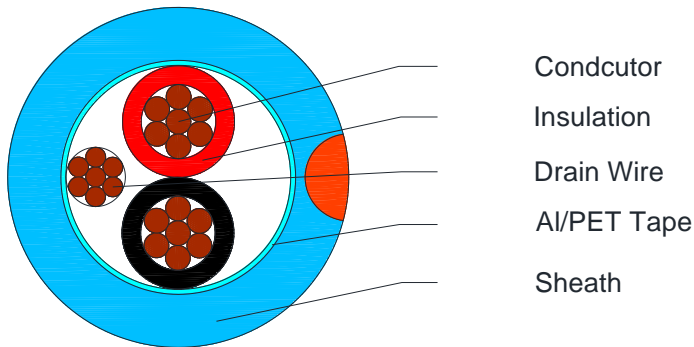


C1670, C1671

Applications

Used in dimmer and switch control applications.

Cross Section Drawing



Design

Unit	Properties
Conductor	Stranded annealed bare copper wires
Insulation	Foam Polyethylene Core1, Red, Core2, Black
Cabling	2 shielded conductors and drain wire cabled on a common axis
Shield	Aluminium/mylar tape bond to sheath 100% Coverage
Sheath	PVC or HFFR, Light Blue/Orange stripe
Standard Put Up Length	305M

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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Physical Characteristics

Part Number	C1670	C1671
Insulation and sheath material	PVC	HFFR
Core No.	2	2
Nom. Conductor Size (AWG)	22	22
Nom. Conductor Construction (mm)	7×0.25	7×0.25
Nom. Insulation thickness (mm)	0.33	0.33
Nom. Insulation Diameter (mm)	1.42	1.42
Screen Coverage (%)	115	115
Drain wire construction (mm)	7×0.20	7×0.20
Nom. Sheath thickness (mm)	0.83	0.83
Nom. Overall Diameter (mm)	4.70	4.70
Cable Weight (kg/km)	33	32
Bending radius: Unloaded (mm)	47	47
Bending radius: Loaded (mm)	94	94
Pull tension (N)	80	80

Electrical Characteristics at 20°C

Part Number	C1670	C1671
Impedance (Ohm)	65	56
DC resistance (Ω /km)	51.5	51.5
Mutual Capacitance (pF/m)	77.74	110
Voltage rating (V)	300	300
Velocity of Propagation (%)	78	53
Maximum current (A) at 25°C	2.80	2.80

Reference Standards

EN 50290-2-23	IEC 60754 (only for HFFR)
EN 50290-2-27	IEC 60332-3-24
IEC 60228	RoHS directives
IEC 61034 (only for HFFR)	