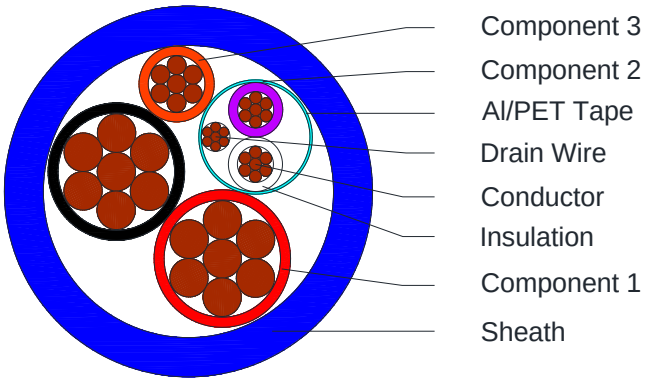
Composite Cable for Light Control
PVC or HFFR Sheath

C1674, C1675

Applications

Universal composite control cable for applications such as lightning control.

Cross Section Drawing



Design

Unit		Properties
Component 1, Common and power core	Conductor	Stranded annealed bare copper wires
	Insulation	PVC or HFFR Colour: Black, Red
Component 2, Data pair	Conductor	Stranded annealed bare copper wires
	Insulation	Polyethylene Colour: Purple and white
	Pairing	Twisted into a pair
	Drain wire	Tinned copper wire
	Screen	Al/PET Tape
Component 3, Sense Line	Conductor	Stranded annealed bare copper wires
	Insulation	PVC or HFFR Colour: Orange
Final Assembly		Component 1, 2 and 3 Cabled together.
Sheath		PVC or HFFR Colour: Blue
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	C1674				C1675			
Insulation and sheath material	PVC				HFFR			
Component No.	1	2	3	Overall	1	2	3	Overall
Core No.	2	2	1	-	2	2	1	-
Nom. Conductor Size (AWG)	12	22	18	-	12	22	18	-
Nom. Conductor Construction (mm)	7×0.80	7×0.25	7×0.39	-	7×0.80	7×0.25	7×0.39	-
Screen Coverage (%)	-	115	-	-	-	115	-	-
Drain wire construction (mm)	-	7×0.20	-	-	-	7×0.20	-	-
Nom. Overall Diameter (mm)	-	-	-	8.25	-	-	-	8.25

Electrical Characteristics at 20℃

Conductor Gauge	Max. Capacitance core to core at 1KHz (pF/m)	Max. Capacitance core to rest at 1KHz (pF/m)	Rated Voltage (V)
22	82	157	300

Reference Standards

EN 50290-2-23	IEC 60754 (only for HFFR)
EN 50290-2-22	IEC 61034(only for HFFR),
EN 50290-2-27	IEC 60332-3-24
IEC 60228	RoHS directives