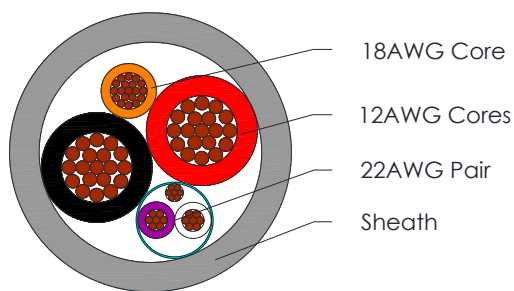


C4318

Applications

Media, Automation and Lighting Control Cable.

Cross Section Drawing



Design

Component	Unit	Properties
1	Conductor	Bare stranded copper wire
	Insulation	HDPE Colour: Purple, White
	Drain Wire	Tinned stranded copper wire
	Screen	Aluminum/Polyester tape
2	Conductor	Bare stranded copper wire
	Insulation	PVC Colour: Orange
3	Conductor	Bare stranded copper wire
	Insulation	PVC Colour: Red, Black
Sheath		Polyvinyl Chloride Standard Colour: Grey
Standard Put Up Length		305 Meters

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

C4318

Physical Characteristics

Part Number	C4318			
Component No.	1	2	3	Overall
Core No.	2	1	2	-
Nom. Conductor Size (AWG)	22	18	12	-
Conductor Construction (AWG)	7×30	19×30	19×25	-
Insulation material	HDPE	PVC	PVC	-
Screen Coverage (%)	115	-	-	-
Drain wire construction (AWG)	7×32	-	-	-
Nom. Overall Diameter (mm)	-	-	-	11.40
Min. Bending radius (mm)	-	-	-	114
Max. Pulling Tension (N)	-	-	-	866
Nom. Cable Weight (kg/km)	-	-	-	183
Operating Temperature Range (°C)	-	-	-	-20 to +60

Electrical Characteristics at 20°C

Conductor Gauge (AWG)	Nom. Conductor Resistance (Ohm/km)	Capacitance core to core (pF/m)	Max. Recommended Current at 25°C (Amps)	Operating Voltage (Vrms)
22	52.8	46.5	3.8	300
18	21.3	-	7.2	300
12	5.25	-	17.2	300

Reference Standards

IEC 60228	EN 50290-2
IEC 60332-1	RoHS directives