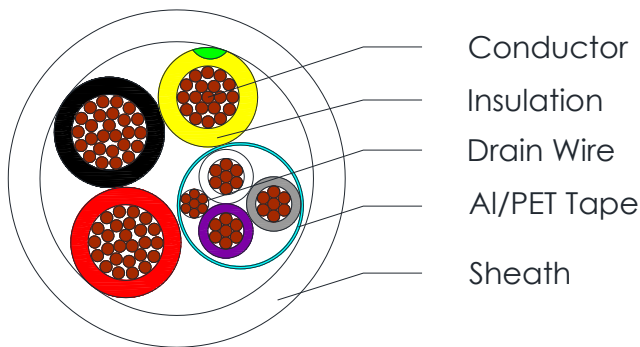


**C4589**

## Applications

Multi-Conductor-Media, Automation and Lighting Control Cable

## Cross Section Drawing



## Design

Component	Unit		Properties
1	Data Pair	Conductor	Bare stranded copper wire
		Insulation	PE Colour: Purple, White and Grey
		Drain Wire	Tinned stranded copper wire
		Screen	Aluminum/Polyester tape
2	Power Cores	Conductor	Bare stranded copper wire
		Insulation	FR-PVC Colour: Red and Black
3		Conductor	Bare stranded copper wire
		Insulation	FR-PVC Colour: Yellow/Green
Sheath			FR-PVC Standard Colour: White
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.

## C4589

### Physical Characteristics

Part Number	C4589			
	1	2	3	Overall
Component No.	1	2	3	Overall
Number of cores	3	2	1	-
Nom. Conductor Size (AWG)	22	16	18	-
Conductor Construction (AWG)	7*30	26*30	19*30	-
Insulation material	PE	PVC	PVC	-
Screen Coverage (%)	115	-		-
Drain wire construction (AWG)	7*32			-
Nom. Overall Diameter (mm)	-	-		8.70
Nom. Cable Weight (kg/km)				98
Min. Bending radius (mm)	-	-		87
Max. Pulling Tension (N)	-	-		586
Operating Temperature Range (°C)	-	-		-20 to +60

### Electrical Characteristics at 20°C

Conductor Gauge (AWG)	Nom. Conductor Resistance (Ohm/km)	Max. Recommended Current (A) at 25°C	Operating Voltage (Vrms)
22	52.8	3.3	300
18	21.3	6.3	300
16	13.8	7.9	300

### Reference Standards

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