



APPLICATION

Unshielded Multi-Conductor Cable suitable for Building Management System (BMS), Audio, Control, and Instrumentation.

DESIGN

Conductor: N x Bare Copper Wire, 12 AWG Flexible

Insulation: Polyolefin

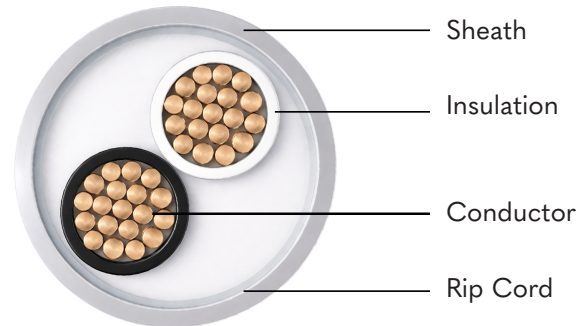
Core 1: Black, Core 2: White, Core 3: Red, Core 4: Green, Core 5: Brown, Core 6: Blue, Core 7: Orange, Core 8: Yellow

Rip Cord: Nylon Yarn

Sheath Material: Flame - Retardant Polyvinyl Chloride (PVC), Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

Part Number	VC212P	VC312P	VC412P	VC612P	VC812P
No. of Cores x 12 AWG (19 x 25)	2	3	4	6	8
Nom. Diameter Conductor	2.3				
Nom. Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.45				
Nom. Overall Diameter (mm)	6.7	7.2	8.0	9.6	10.5
Operating Temperature Range (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	675	1015	1350	2025	2700
Min. Bend Radius (Install) (mm)	67	72	80	96	10.5
Nominal Cable Weight (kg/km)	79.8	112.1	145.3	209.7	273.7

Electrical Characteristics

Part Number	VC212P	VC312P	VC412P	VC612P	VC812P
No. of Cores x 12 AWG (19 x 25)	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	5.61				
Capacitance conductor to conductor (Pf/m)	60				
Nominal inductance (μ H/m)	0.5				
Max. Recommended current at 25°C (Amps)	12	12	9.6	8.4	8.4
Max. Operating Voltage (Vrms)	300				

Reference & Standards

(BS) EN 50290-2

RoHS directives

IEC 60332-1

Ordering Information

Part Number	Description
VC212P	2 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC312P	3 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC412P	4 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC612P	6 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC812P	8 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll