

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

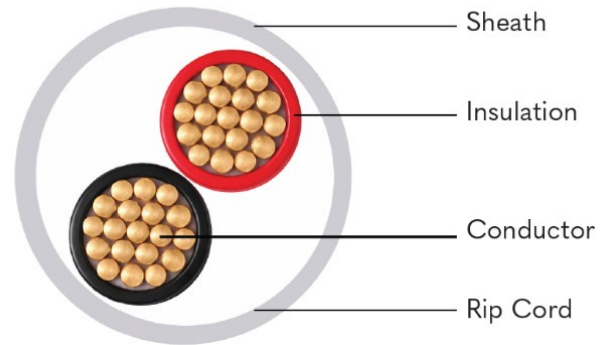
Rip Cord: Nylon Yarn

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	VC512P	VC612P	VC812P
No. of Cores x 12 AWG (19 x 25)	2	3	4	5	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	8.8	9.6	10.5
Operating Temperature Range (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	675	1015	1350	1690	2025	2700
Min. Bend Radius (Install) (mm)	67	72	80	88	96	10
Nominal Cable Weight (kg/km)	79.8	112.1	145.3	176.7	209.7	273

ELECTRICAL CHARACTERISTICS

Part Number	VC212P	VC312P	VC412P	VC512P	VC612P	VC812P
No. of Cores x 12 AWG (19 x 25)	2	3	4	5	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	8.4
Max. Operating Voltage (Vrms)	300					

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VC212P	Voltan UK 2 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC312P	Voltan UK 3 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC412P	Voltan UK 4 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC512P	Voltan UK 5 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC612P	Voltan UK 6 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll
VC812P	Voltan UK 8 Core, 12 AWG Unshielded Multi Conductor Cable, PVC 305M / Roll