



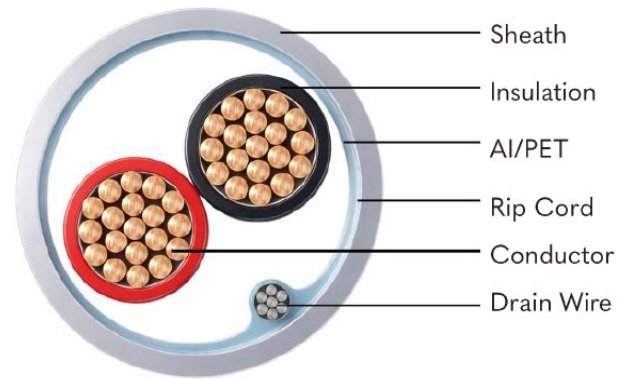
## APPLICATION

Shielded 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
Drain Wire: Tinned Copper Wire
Rip Cord: Nylon Yarn
Screen: Aluminium/Polyester 100% Coverage
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	VSC212P	VSC312P	VSC412P	VSC512P	VSC612P	VSC812P
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. Drain Wire Diameter (mm)	24 AWG (7 * 32)					
Nom. Overall Diameter (mm)	6.9	7.4	8.2	9.0	9.8	10.7
Operating Temperature Range (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	675	1015	1350	1690	2025	2700
Min. Bend Radius (Install) (mm)	69	74	82	90	98	107
Nominal Cable Weight (kg/km)	85.7	118.1	151.1	182.5	215.5	279.5

## ELECTRICAL CHARACTERISTICS

Part Number	VSC212P	VSC312P	VSC412P	VSC512P	VSC612P	VSC812P
No. of Cores x 12 AWG (19 x 25)	2	3	4	5	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	5.61					
Max. DC Resistance Screen ( $\Omega$ )	78.5					
Capacitance Conductor to Conductor (Pf/m)	105	105	100	100	100	100
Capacitance Conductor to Cond. + Screen (Pf/m)	220	220	180	180	180	175
Nominal inductance ( $\mu$ 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
VSC212P	Voltan UK 2 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC312P	Voltan UK 3 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC412P	Voltan UK 4 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC512P	Voltan UK 5 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC612P	Voltan UK 6 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC812P	Voltan UK 8 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll