



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 14 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

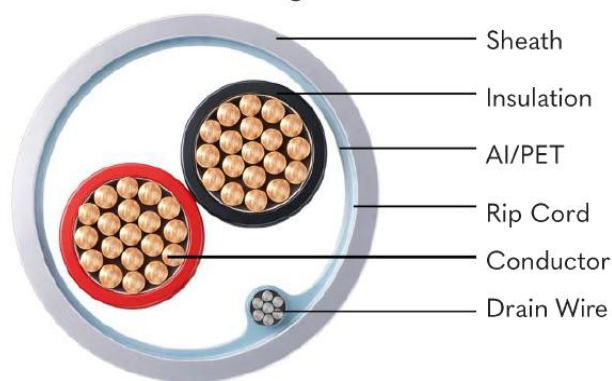
Screen: Aluminium/Polyester 100% Coverage

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	VSC214P	VSC314P	VSC414P	VSC614P	VSC814P
No. of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Nom. Diameter Conductor	1.8				
Nom. Radial Thickness Insulation (mm)	0.3				
Nom. Radial Thickness Sheath (mm)	0.4				
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)				
Nom. Overall Diameter (mm)	6.0	6.5	6.9	8.6	9.8
Operating Temperature Range (°C)	-25 to +75				
Max. Recommended Pulling Tension (N)	420	635	845	1265	1685
Min. Bend Radius (Install) (mm)	60	65	70	86	98
Nominal Cable Weight (kg/km)	57	79.9	102.5	151	197.3

ELECTRICAL CHARACTERISTICS

Part Number	VSC214P	VSC314P	VSC414P	VSC614P	VSC814P
No. of Cores x 14 AWG (19 x 27)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	5.61				
Max. DC Resistance Screen	78.5				
Capacitance Conductor to Conductor (Pf/m)	105	105	100	100	100
Capacitance Conductor to Cond. + Screen (Pf/m)	220	220	180	180	175
Nominal inductance ($\mu\text{H}/\text{m}$)	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
VSC214P	Voltan UK 2 Core, 14 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC314P	Voltan UK 3 Core, 14 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC414P	Voltan UK 4 Core, 14 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC614P	Voltan UK 6 Core, 14 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC814P	Voltan UK 8 Core, 14 AWG Shielded Multi Conductor cable, PVC 305M / Roll