



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 16 AWG Flexible

Insulation: Polyolefin

Core Colors: 1: Black, 2: White, 3: Red, 4: Green,
5: Brown, 6: Blue, 7: Orange, 8: Yellow
9: Purple, 10: Grey, 11: Pink, 12: Tan

Drain Wire: Tinned Copper Wire

Rip Cord: Nylon Yarn

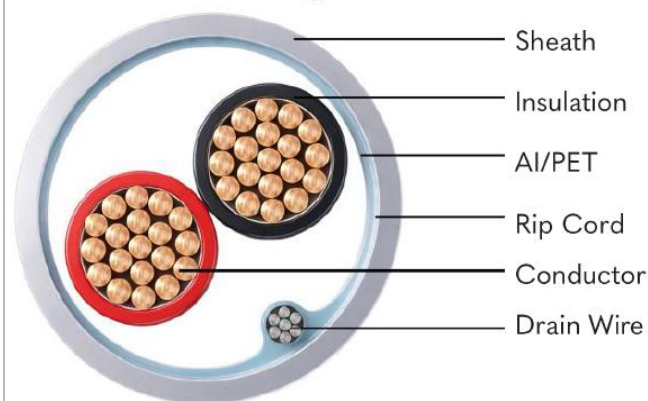
Screen: Aluminium/Polyester 100% Coverage

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	VSC216P	VSC316P	VSC416P	VSC616P	VSC816P	VSC1016P	VSC1216P
No. of Cores x 16AWG (19 x 29)	2	3	4	6	8	10	12
Nom. Diameter Conductor	1.4						
Nom. Radial Thickness Insulation (mm)	0.2						
Nom. Radial Thickness Sheath (mm)	0.4					0.5	
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)						
Nom. Overall Diameter (mm)	4.6	4.9	5.3	6.8	7.6	8.5	8.8
Operating Temperature Range (°C)	-25 to +75						
Max. Recommended Pulling Tension (N)	262	391	520	780	1040	1300	1560
Min. Bend Radius (Install) (mm)	46	49	53	68	76	85	88
Nominal Cable Weight (kg/km)	37.3	50	63.5	91.6	120.8	138.2	167.7

ELECTRICAL CHARACTERISTICS

Part Number	VSC216P	VSC316P	VSC416P	VSC616P	VSC816P	VSC1016P	VSC1216P
No. of Cores x 16AWG (19 x 29)	2	3	4	6	8	10	12
Max. DC Resistance Conductor (Ω/km)	15.47						
Max. DC Resistance Screen	78.5						
Capacitance Conductor to Conductor (Pf/m)	105	105	90	80	70		
Capacitance Conductor to Cond. + Screen (Pf/m)	185	190	185	160	150		
Nominal inductance (μH/m)	0.5						
Max. Recommended Current at 25°C (Amps)	6.25	6.25	5	4.35			
Max. Operating Voltage (Vrms)	300						

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC216P	Voltan UK 2 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC316P	Voltan UK 3 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC416P	Voltan UK 4 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC616P	Voltan UK 6 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC816P	Voltan UK 8 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC1016P	Voltan UK 10 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC1216P	Voltan UK 12 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll