



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 18 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

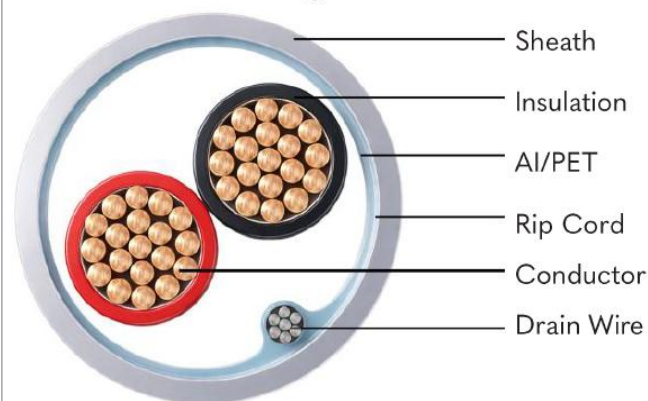
Screen: Aluminium/Polyester 100% Coverage

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	VSC218P	VSC318P	VSC418P	VSC618P	VSC818P	VSC1018P	VSC1218P
No. of Cores x 18AWG (7 x 26)	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)	4.0	4.2	4.6	5.75	6.4	7.5	7.8
Operating Temperature Range (°C)	-25 to +75						
Max. Recommended Pulling Tension (N)	200	299	399	600	797	999	1200
Min. Bend Radius (Install) (mm)	40	42	46	58	64	75	78
Nominal Cable Weight (kg/km)	29.6	39.2	49.4	70.9	89.5	104	129

ELECTRICAL CHARACTERISTICS

Part Number	VSC218P	VSC318P	VSC418P	VSC618P	VSC818P	VSC1018P	VSC1218P
No. of Cores x 18AWG (7 x 26)	2	3	4	6	8	10	12
Max. DC Resistance Conductor (Ω/km)	22.7						
Max. DC Resistance Screen	78.5						
Capacitance Conductor to Conductor (Pf/m)	95	90	75	75			
Capacitance Conductor to Cond. + Screen (Pf/m)	175	170	160	140			
Nominal inductance (μH/m)	0.5						
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5			
Max. Operating Voltage (Vrms)	300						

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC218P	Voltan UK 2 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC318P	Voltan UK 3 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC418P	Voltan UK 4 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC618P	Voltan UK 6 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC818P	Voltan UK 8 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC1018P	Voltan UK 10 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC1218P	Voltan UK 12 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll