



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 22 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

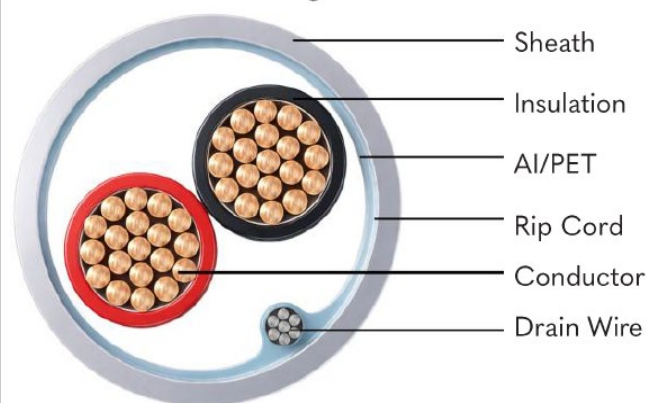
Screen: Aluminium/Polyester 100% Coverage

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	VSC222P	VSC322P	VSC422P	VSC622P	VSC822P	VSC1022P	VSC1222P
No. of Cores x 22AWG (7 x 30)	2	3	4	6	8	10	12
Nom. Diameter Conductor	0.75						
Nom. Radial Thickness Insulation (mm)	0.20						
Nom. Radial Thickness Sheath (mm)	0.4						0.6
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)						
Nom. Overall Diameter (mm)	3.3	3.5	3.8	4.5	4.9	5.5	6.0
Operating Temperature Range (°C)	-25 to +75						
Max. Recommended Pulling Tension (N)	80	121	187	243	324	405	486
Min. Bend Radius (Install) (mm)	33	35	38	45	49	55	60
Nominal Cable Weight (kg/km)	15.7	20	25.3	34.3	42.6	50.9	66.3

ELECTRICAL CHARACTERISTICS

Part Number	VSC222P	VSC322P	VSC422P	VSC622P	VSC822P	VSC1022P	VSC1222P
No. of Cores x 22AWG (7 x 30)	2	3	4	6	8	10	12
Max. DC Resistance Conductor (Ω/km)	57.4						
Max. DC Resistance Screen	78.5						
Capacitance Conductor to Conductor (Pf/m)	78	75	70	64	60		
Capacitance Conductor to Cond. + Screen (Pf/m)	150	140	132	120	110		
Nominal inductance (μH/ m)	0.5						
Max. Recommended Current at 25°C (Amps)	2.8	2.8	2.25	1.95	1.95		
Max. Operating Voltage (Vrms)	300						

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC222P	Voltan UK 2 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC322P	Voltan UK 3 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC422P	Voltan UK 4 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC622P	Voltan UK 6 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC822P	Voltan UK 8 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC1022P	Voltan UK 10 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC1222P	Voltan UK 12 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll