



APPLICATION

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

DESIGN

Black Colour with white number identification for cores

Conductor: N x Bare Copper Wire, 22 AWG Flexible

Insulation: Polyolefin

Core 1: Black, Core 2: Red, Core 3: White

Core 4: Green, Core 5: Brown, Core 6: Blue

Core 7: Orange, Core 8: Yellow, Core 9: Purple

Core 10: Grey, Core 11: Pink, Core 12: Tan

Black Colour with white number identification for ones more than 12

Cabling : Cores cabled/twisted together

Drain Wire: Tinned Copper Wire

Screen: Aluminium/Polyester 100% Coverage

Rip cord: Nylon yarn

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
No of cores x 22AWG (7 x 30)	2	3	4	6	8
Nom. Diameter Conductor (mm)	0.75				
Nom. Radial Thickness Insulation (mm)	0.20				
Nom. Radial Thickness Sheath (mm)	0.4				
Nom. Drain Wire Diameter (mm)	24 AWG (7 *0.32)				
Nom. Overall Diameter (mm)	3.3	3.5	3.8	4.5	4.9
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	80	121	187	243	324
Min. Bend Radius (install) (mm)	33	35	38	45	49
Nominal Cable Weight (kg/km)	15.7	20	25.3	34.3	42.6

Electrical Characteristics

Part Number	VSC222P	VSC322P	VSC422P	VSC622P	VSC822P
No of cores x 22AWG (7 x 30)	2	3	4	6	8
Max. DC Resistance Conductor (Ω /km)	57.4				
Max. DC Resistance Screen (Ω /km)	78.5				
Capacitance conductor to conductor (pF/m)	78	75	70	64	60
Capacitance cond. To other cond.+screen (pF/m)	150	140	132	120	110
Nominal Inductance (μ H/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	2 Core, 22 AWG shielded Multi Conductor Cable, PVC 305M / Roll
VSC322P	3 Core, 22 AWG shielded Multi Conductor Cable, PVC 305M / Roll
VSC422P	4 Core, 22 AWG shielded Multi Conductor Cable, PVC 305M / Roll
VSC622P	6 Core, 22 AWG shielded Multi Conductor Cable, PVC 305M / Roll
VSC822P	8 Core, 22 AWG shielded Multi Conductor Cable, PVC 305M / Roll