



APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 18 AWG Flexible

Insulation: HFFR / LSZH

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 number identification on cores above 12)

Drain Wire: 24 AWG (7x32) Tinned Copper

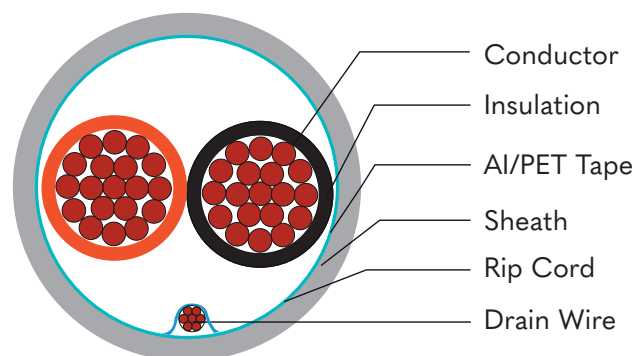
Screen: Aluminium/Polyester 100% Coverage

Rip Cord: Nylon Yarn

Sheath: Flame-Retardant Polyvinyl Chloride (PVC)
Standard colour: Grey

Standard Put-up Length: 305 Meters

Cross Section Drawing



Physical Characteristics

Part Number	VSC218P	VSC318P	VSC418P	VSC618P	VSC818P
No of Cores	2	3	4	6	8
Conductor Construction (AWG)	18 (7 x26)				
Nom. Radial Thickness Insulation (mm)	0.2				
Nom. Radial Thickness Sheath (mm)	0.4	0.4	0.4	0.4	0.4
Nom. Overall Diameter (mm)	4.0	4.2	4.6	5.75	6.4
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	200	299	399	600	797
Min. Bend Radius (Install) (mm)	40	42	46	58	64
Nominal Cable Weight (kg/km)	29.6	39.2	49.4	70.9	89.5

Electrical Characteristics

Part Number	VSC218P	VSC318P	VSC418P	VSC618P	VSC818P
No of Cores x 18 AWG (7 x 26)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	22.7				
Max. DC Resistance Screen (Ω/km)	78.5				
Capacitance conductor to conductor (pF/m)	95	90	75	75	75
Capacitance conductor to rest (pF/m)	175	170	160	140	140
Nominal Inductance ($\mu\text{H}/\text{m}$)	0.5				
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5	3.5
Max. Operating Voltage (Vrms)	300				

Reference & Standards

(BS) EN 50290-2

IEC 60228

RoHS directives

IEC 60332-1-2 & IEC 60332-1-3

Ordering Information

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