



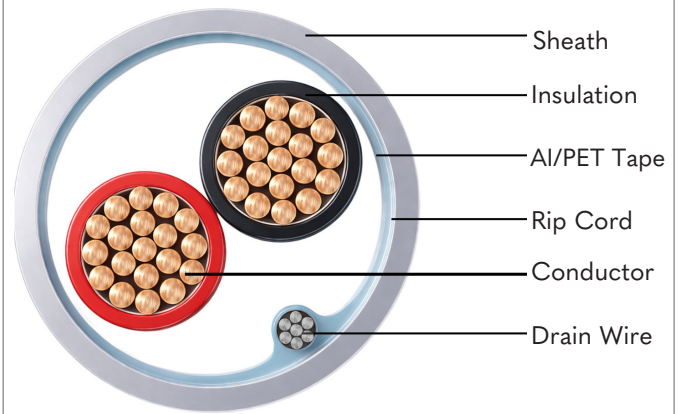
## APPLICATION

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

## 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)
Cabling: Cores laid by twisting
Screen: Aluminium/Polyester 100% Coverage
Drain Wire: Tinned Copper Wire
Sheath: Flame-Retardant Halogen free (HFFR/LSZH) Standard colour: Grey, RAL Code: 7046
Rip Cord: Nylon Yarn
Standard Put-up Length: 305 Meters

## Cross Section Drawing



## Physical Characteristics

Part Number	VSC218L	VSC318L	VSC418L	VSC618L	VSC818L
No of Cores x 18 AWG (7 x 26)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.2				
Nom. Radial Thickness Insulation (mm)	0.25				
Nom. Radial Thickness Sheath (mm)	0.65				
Nom. Drain Wire Diameter (mm)	24 AWG (7 *0.32)				
Nom. Overall Diameter (mm)	4.8	5.1	5.5	6.5	7.0
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	200	299	399	600	797
Min. Bend Radius (Install) (mm)	48	51	55	65	70
Nominal Cable Weight (kg/km)	37.9	48.8	59.3	82.0	102.5

## Electrical Characteristics

Part Number	VSC218L	VSC318L	VSC418L	VSC618L	VSC818L
No of Cores x 18 AWG (7 x 26)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	22.7				
Max. DC Resistance Screen ( $\Omega$ /km)	78.5				
Capacitance conductor to conductor (pF/m)	150	150	150	140	135
Capacitance conductor to rest (pF/m)	288	282	270	253	240
Nominal Inductance ( $\mu$ H/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

RoHS directives

IEC 60332-1

## Ordering Information

Part Number	Description
VSC218L	2 Core, 18 AWG Shielded Multi Conductor Cable, LSZH 305M / Roll
VSC318L	3 Core, 18 AWG Shielded Multi Conductor Cable, LSZH 305M / Roll
VSC418L	4 Core, 18 AWG Shielded Multi Conductor Cable, LSZH 305M / Roll
VSC618L	6 Core, 18 AWG Shielded Multi Conductor Cable, LSZH 305M / Roll
VSC818L	8 Core, 18 AWG Shielded Multi Conductor Cable, LSZH 305M / Roll