



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: HFFR / LSZH

Core Colors: 1: Black, 2: White, 3: Red, 4: Green,
5: Brown, 6: Blue, 7: Orange, 8: Yellow
9: Purple, 10: Grey

Drain Wire: Tinned Copper Wire

Rip Cord: Nylon Yarn

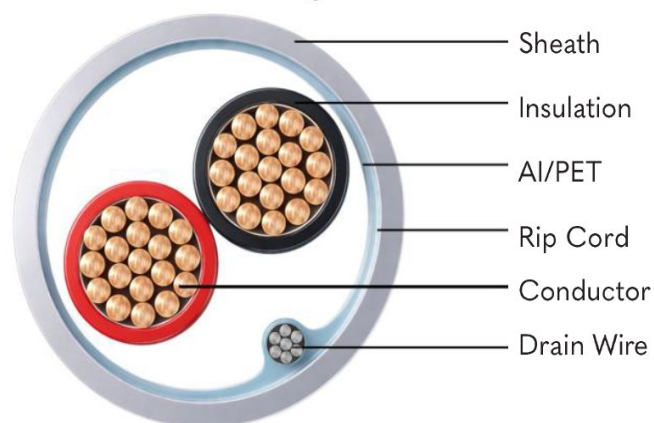
Screen: Aluminium/Polyester 100% Coverage

Sheath Material : Flame-Retardant Halogen free
(HFFR/LSZH)

Standard colour: Grey, RAL Code: 7046

Standard Put-up Length: 305 Meters

Cross Section Drawing



PHYSICAL CHARACTERISTICS

Part Number	VSC218L	VSC318L	VSC418L	VSC618L	VSC818L	VSC1018L
No. of Cores x 18 AWG (7 x 26)	2	3	4	6	8	10
Nom. Diameter Conductor	1.2					
Nom. Radial Thickness Insulation (mm)	0.25					
Nom. Radial Thickness Sheath(mm)	0.65					
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)					
Nom. Overall Diameter (mm)	4.8	5.1	5.5	6.5	7.0	8.2
Operating Temperature Range (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	200	299	399	600	797	1000
Min. Bend Radius (Install) (mm)	48	51	55	65	70	82
Nominal Cable Weight (kg/km)	37.9	48.8	59.3	82.0	102.5	128.1

ELECTRICAL CHARACTERISTICS

Part Number	VSC218L	VSC318L	VSC418L	VSC618L	VSC818L	VSC1018L
No. of Cores x 18 AWG (7 x 26)	2	3	4	6	8	10
Max. DC Resistance Conductor (Ω/km)	22.7					
Max. DC Resistance Screen (Ω/km)	78.5					
Capacitance Conductor to Conductor (Pf/m)	150		150	140	135	
Capacitance Conductor to Rest (Pf/m)	288	282	270	253	240	240
Nominal Inductance (μH/m)	0.5					
Max. Recommended Current at 25°C (Amps)	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	Voltan UK 2 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC318L	Voltan UK 3 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC418L	Voltan UK 4 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC618L	Voltan UK 6 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC818L	Voltan UK 8 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC1018L	Voltan UK 10 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll