



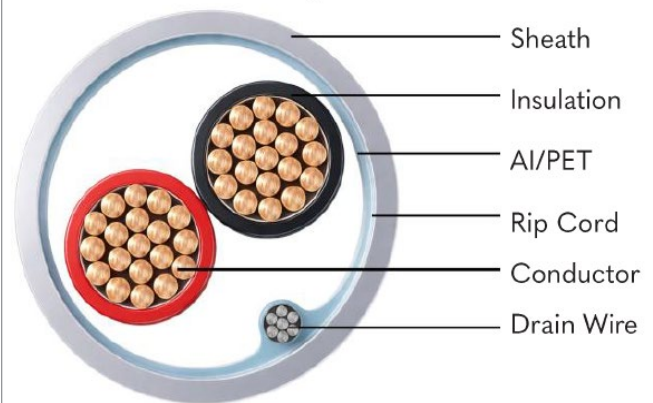
APPLICATION

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

DESIGN

Conductor: N x Bare Copper Wire, 12 AWG Flexible
Insulation: HFFR
Core Colors: 1: Black, 2: White, 3: Red, 4: Green, 5: Brown, 6: Blue, 7: Orange, 8: Yellow
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	VSC212L	VSC312L	VSC412L	VSC512L	VSC612L	VSC812L
No. of Cores x 12 AWG (19 x 25)	2	3	4	5	6	8
Nom. Diameter Conductor	2.3					
Nom. Radial Thickness Insulation (mm)	0.3					
Nom. Radial Thickness Sheath (mm)	0.65					
Nom. Drain Wire Diameter (mm)	24 AWG (7 * 32)					
Nom. Overall Diameter (mm)	7.4	7.8	8.6	9.4	10.3	11.3
Operating Temperature Range (°C)	-25 to +75					
Max. Recommended Pulling Tension (N)	675	1015	1350	1690	2025	2700
Min. Bend Radius (Install) (mm)	74	78	86	94	103	113
Nominal Cable Weight (kg/km)	97.4	130.0	165.3	200.8	236.7	307.3

ELECTRICAL CHARACTERISTICS

Part Number	VSC212L	VSC312L	VSC412L	VSC512L	VSC612L	VSC812L
No. of Cores x 12 AWG (19 x 25)	2	3	4	5	6	8
Max. DC Resistance Conductor (Ω /km)	5.61					
Max. DC Resistance Screen (Ω /km)	76.5					
Capacitance Conductor to Conductor (Pf/m)	190	190	190	185	180	176
Capacitance Conductor to Rest (Pf/m)	345	345	345	335	323	320
Nominal Inductance (μ H/m)	0.5					
Max. Recommended Current at 25°C (Amps)	12	12	9.6	8.4	8.4	8.4
Max. Operating Voltage (Vrms)	300					

REFERENCE & STANDARDS

(BS) EN 50290-2

RoHS Directives

IEC 60332-1

ORDERING INFORMATION

Part Number	Description
VSC212L	Voltan UK 2 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC312L	Voltan UK 3 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC412L	Voltan UK 4 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC512L	Voltan UK 5 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC612L	Voltan UK 6 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC812L	Voltan UK 8 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll