



APPLICATION

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

Cabling: Cores laid by twisting

Screen: Aluminium/Polyester 100% Coverage

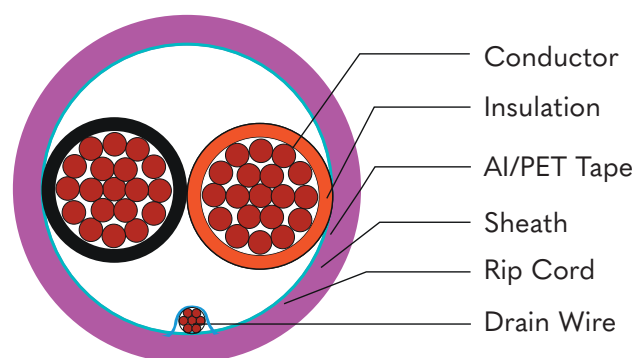
Drain Wire: 24 AWG (7x32) Tinned Copper

Sheath: Flame-Retardant Halogen free (HFFR/LSZH)
Standard colour: Purple

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	0.65	0.65	0.65	0.65
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 (Ω/km)	22.7				
Max. DC Resistance Screen (Ω/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 ($\mu\text{H}/\text{m}$)	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 61034, IEC 60332-3-24

IEC 60228

IEC 60754-1 & 2

RoHS directives

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